

2005 - 2007

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# PUGET SOUND CONSERVATION & RECOVERY PLAN

## *Appendix*



**PUGET SOUND ACTION TEAM**

*Office of the Governor, State of Washington*



***2005-2007 Puget Sound Conservation and Recovery Plan***  
**Puget Sound Action Team Partnership**

**August 2005**

**APPENDIX**

**Detailed Budget Information By Agency**

The Appendix to the *2005-2007 Puget Sound Conservation and Recovery Plan*, the Puget Sound Action Team partnership's biennial plan and budget for Puget Sound, shows detailed budget information provided by Action Team state agencies and university environmental education programs. It describes activities and expected results to be accomplished with funding appropriated by the Washington State Legislature and Governor to implement the plan for July 2005 through June 2007, as both legislative proviso, or set-aside funds, and non-proviso appropriations. Chapter 90.71 RCW, section 050(4) states that the biennial plan "...shall be implemented consistent with the legislative provisos of the biennial appropriation acts."

The *2005-2007 Puget Sound Conservation and Recovery Plan* includes the priorities, strategies, results and proposed budgets and can be found on the Puget Sound Action Team's website at [www.wa.gov](http://www.wa.gov)

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## Key To Agency Budget Information

**Budget Code:** A budget code is assigned by agencies to a programmatic or topical division of agency funds in the *2005-2007 Puget Sound Conservation and Recovery Plan*. Funding under each budget code identifies activities or a program that supports one or more related priorities and results in the plan.

**05-07 Proviso Funds:** Funds appropriated as a proviso by the legislature, specifically designated or set aside to implement this plan during the 2005-2007 biennium.

**05-07 Other funds:** Funds not designated as provisos that are set aside to implement the *2005-2007 Puget Sound Conservation and Recovery Plan*. Some of these funds are provisos set aside for work in Hood Canal and other funds are shown that agencies are voluntarily reporting on to the Action Team so that Puget Sound benefits can be tracked.

**Total:** The total amount of funds appropriated as 05-07 proviso funds and 05-07 Other funds for 2005-2007 for each budget code.

**Fund:** The source of the funds (see coded list of funding sources below, left).

**PS Plan Program:** The *Puget Sound Water Quality Management Plan* program implemented by the activities under the budget code (see coded list of programs below, right)

Codes for Funding Sources		Codes for Puget Sound Plan Programs	
<b>Operating Budget Funding Sources</b>		<b>AG</b>	Agricultural Practices
<b>GF-S</b>	General Fund-State	<b>AQ</b>	Aquatic Nuisance Species
<b>GF-F</b>	General Fund-Federal	<b>EPI</b>	Education and Public Involvement
<b>GF-P/L</b>	General Fund-Private Local	<b>EM</b>	Puget Sound Estuary Management
<b>ALEA</b>	Aquatic Lands Enhancement Acct	<b>FP</b>	Forest Practices
	Water Quality Permit Fees	<b>L</b>	Laboratory Support
<b>MVF</b>	Motor Vehicle Fund	<b>MB</b>	Marinas and Recreational Boating
<b>STCA</b>	State Toxic Control Account	<b>MFH</b>	Marine and Freshwater Habitat Protection
<b>OSPA</b>	Oil Spill Prevention Account	<b>MR</b>	Monitoring and Research
<b>WQA</b>	Water Quality Account	<b>NP</b>	Nonpoint Source Pollution
<b>FAWA</b>	Freshwater Aquatic Weed Account	<b>OSS</b>	Onsite Sewage Management
<b>HWAA</b>	Hazardous Waste Assistance Account	<b>PM</b>	Pest Management
<b>VRA</b>	Vessel Response Account	<b>M&amp;I</b>	Municipal & Industrial Discharges
<b>PS</b>	Recreational Fish Enhancement Acct	<b>PS/GB</b>	Puget Sound/Georgia Basin Shared Waters
<b>WWRP</b>	Wash Wildlife Recreation Program	<b>S</b>	Contaminated Sediments
<b>Capital Budget Funding Sources</b>		<b>SH</b>	Shellfish Protection
<b>GF-F –Capital</b>	General Fund Federal	<b>SP</b>	Spill Prevention
<b>WQA-Capital</b>	Water Quality Account	<b>SW</b>	Stormwater & Combined Sewer Overflows
<b>JED-Capital</b>	Jobs/Economic Development	<b>WP</b>	Local Watershed Action
<b>JIC-Capital</b>	Jobs in Communities		
<b>SBCA – Cap</b>	State Bldg Construction Account		
<b>LTCA –Cap</b>	Local Toxics Control Account		
<b>CCWF – Cap</b>	Centennial Clean Water Fund - WQA		
<b>SRF-Cap</b>	Water Pollution Control Revolving Fund		
<b>FP – Capital</b>	Facility Preservation		

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This index demonstrates how Action Team partner agencies are focusing their budgets under the plan to achieve progress as they work together to achieve progress on the plan's priorities. Some budget code activities support more than one priority.

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## **The role of science in Puget Sound conservation and recovery**

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## Department of Agriculture

**Agency:** Agriculture

**Budget code title:** Pesticide Technical Assistance

**Total funds:** \$74,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
WSDA-01	\$74,000		GF-S	Priorities 2-B1, 2-B2, 2-D1, 4-D1, 5-B7, 6-A4	NP, PM, ANS

### **Program description:**

Enforce pesticide laws and regulations. Conduct technical assistance activities to minimize adverse impacts. Collect and dispose of cancelled, suspended or unusable pesticides and continue related technical assistance activities to minimize future waste pesticide stocks. Inspect facilities and sites that: 1) store bulk quantities of pesticides and fertilizers to enforce secondary containment regulations; 2) utilize fertigation or chemigation equipment to monitor for backflow prevention devices.

Review all labels of pesticide and fertilizer products and consider, if appropriate, further conditions on use for protecting the environment of the Sound and to protect listed Endangered Species.

### **Proviso funded activities:**

Investigate, report and enforce actions for all referred complaints about possible pesticide misuse.

Collect unusable, cancelled or suspended pesticides for proper disposal.

### **Expected Results:**

Inspections, enforcement actions, pesticide collections and education minimize adverse environmental impacts on Puget Sound from pesticides.

## Department of Community, Trade and Economic Development

**Agency:** Community, Trade and Economic Development

**Budget code title:** Technical assistance for local planning

**Total funds:** \$123,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
CTED-01		\$123,000	GFS	5B. 1,5B 2, 5C 2	MFH;SH; SW

**Program description:**

Funding to support Senior Planner position providing technical assistance and planning coordination with state, federal, and local agencies and tribes relating to comprehensive planning under the GMA, critical areas planning, shoreline management and watershed planning.

**Proviso funded activities:** None

**Expected Results:**

Provide technical assistance and guidance materials to local governments and interagency coordination when reviewing critical areas ordinances, shoreline master program updates. 100% of counties, 50% cities, including: Snohomish County, Whatcom County, the city of Port Townsend and the city of Bellingham, Mason, Island, San Juan and Skagit Counties.

**Agency:** Community, Trade and Economic Development

**Budget code title:** Hood Canal Belfair Sewer Improvements

**Total proposed funds:** \$16,000,000

Budget Code	Final 05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
CTED-02		\$8,000,000	JED – Capital	Priority 4: B4 Hood Canal	NP, M&I
		\$8,000,000	JIC– Capital	Priority 4: B4 Hood Canal	NP, M&I

**Program description** The Department of Community, Trade and Economic Development provides technical assistance and funding programs for community development, employment, and local government infrastructure. The 2005-2007 state budget appropriated funding for construction of a sewer facility in the Belfair area of Hood Canal. Pollution from onsite sewage systems may be contributing to the increased nitrogen and other pollutants that may contribute to low dissolved oxygen problems in this area. The sewer facility will serve the existing shoreline communities and projected growth in the area.

**Proviso funded activities:** None.

**Expected Results:** Provide funds and manage contract with local entity for construction of Belfair sewer improvements to prevent nitrogen pollution in Hood Canal and resulting low dissolved oxygen levels.

## Conservation Commission

**Agency:** Conservation Commission

**Budget Code Title:** Puget Sound conservation district technical assistance for water quality and habitat protection projects

**Total funds:** \$1,384,000

Budget Code	05-07 Proviso Funds	05-07 Other funds	Funding Source	Priorities & Results	PS Plan Program
CC-01	\$394,000		GF-S	Priority 4: D5, D6, D7 Priority 6: A6	NP, AG, MFH, WP
CC-02	\$840,000		WQA		

**Program description:** Conservation districts use state, federal and local funds to promote conservation and stewardship and assist citizens in implementing conservation practices. Programs include water quality implementation, the Conservation Reserve and Enhancement Program, technical assistance to dairy operators, watershed planning, salmon restoration projects, planning, and public education and involvement. Professional engineering staff serves projects related to habitat restoration and protection, dairy enhancement, and irrigation water management.

**Proviso funded activities:** The 12 Puget Sound conservation districts target proviso funds to implement the 05-07 Puget Sound plan based on needs and opportunities in the individual counties. Activities include water quality monitoring, technical assistance to landowners in writing conservation plans, constructing best management practices, restoring and fencing riparian freshwater and estuarine habitat, salmon habitat restoration projects, and public education and assistance activities.

**Expected Results:**

Most grants awarded under this program will ensure that technical and project design assistance, as well as, cost share dollars will be provided to private landowners following voluntary requests or referrals from regulatory agencies to conservation districts. The object of the program is to assist landowners in implementing nonpoint water quality improvements and provide, or help, secure funding for installation of federal and state recognized and approved best management practices. This may include the development of innovative projects, educational outreach, and volunteer programs that benefit Puget Sound water quality in other ways.

**Agency:** Conservation Commission

**Agency Activity Title:** Livestock and Water Quality

**Total funds:** Will report annually on funds expended in Puget Sound from Water Quality Account Operating and Capital funds.

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
CC-03			WQA – Operating	Priority 4: D6, D7	AG, EPI
			WQA – Capital	Priority 4: D6, D7	AG, EPI

**Program description:** The Livestock and Water Quality Program provides private landowners with technical assistance and cost share dollars from local conservation districts to proactively, voluntarily, and on a non-regulatory basis, fix current and eliminate future agricultural water quality problems resulting from the production of livestock. Some landowners may also be referred to conservation districts by federal, state and local regulatory agencies to fix existing livestock and other water quality problems as a means to prevent penalties from being assessed. The Conservation Commission will report annually the funding expended in Puget Sound for technical assistance and cost-sharing.

**Proviso funded activities:** None

**Expected Results:**

This program will provide critical technical assistance in the form of conservation and nutrient management plans to 818 livestock producers across Washington. Some of those producers may need financial assistance implementing their plan. Districts will work closely with the departments of Agriculture and Ecology to ensure that district technical assistance and implementation coordinates with regulatory programs. The primary goal of this program is to assist those producers that are at risk of falling under regulatory program. **Keeping AFOs from becoming CAFOs is a high priority.** Additionally, small livestock operations that may be vulnerable to being designated a CAFO by regulatory agencies will receive assistance which may include a nutrient management plan. Additional producers will also be reached with education programs about livestock management and water quality issues. This educational effort will help greatly in defining workload for future biennia in assisting livestock producers.

**Agency:** Conservation Commission

**Agency Activity Title:** Conservation Reserve Enhancement Program (CREP)

**Total funds:** Will report annually on funds expended in Puget Sound for General Fund State Operating funds and State Building Construction Account Capital funds

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
CC-04			GF-S	Priority 6: A6	AG, EPI, NP
			SBCA Capital	Priority 6: A6	AG, EPI, NP

**Program description:** The CREP program removes livestock and agricultural activities from the riparian area of salmon-bearing streams. The sites are planted with native trees and shrubs for a contract period of 10-15 years. Improved salmon habitat, cooler, cleaner water and financial enhancements to the landowners for removing the area from production are the results of this program. This is a voluntary program that is the result of a contractual agreement between the State of Washington and United States Department of Agriculture.

**Proviso funded activities:** None

**Expected Results:** The minimum buffer width is 35 feet and the maximum buffer width is 180 feet. Currently, there are 33 eligible conservation districts across the state with 10,000 eligible miles. The 10,000 eligible miles are the maximum allowed under the state's agreement with USDA. The Conservation Commission will report annually on the funding expended and the miles protected and restored in Puget Sound through this program. All 12 Puget Sound conservation districts have eligible stream miles for this program.

**Agency:** Conservation Commission

**Agency Activity Title:** Water Quality Implementation Grants

**Total proposed funds:** \$861,702

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
CC-05		\$861,702	WQA – Capital	Priority 4: D5, D6	AG, EPI. NP

**Program description:** The Water Quality Implementation Grants Program provides private landowners with technical assistance and cost share dollars from local conservation districts to proactively, voluntarily, and on a non-regulatory basis, fix current and potential agricultural nonpoint water quality problems. Some landowners may also be referred to conservation districts by state and local regulatory agencies to fix specific water quality problems to prevent penalties from being assessed.

**Proviso funded activities:** None

**Expected Results:**

This program will provide critical technical assistance in the form of conservation plans to landowners across Washington during the 2005-2007 biennium. As the name of this grant implies, some landowners may need financial assistance implementing their plan and dollars from these grants will be eligible for providing all or a portion of such assistance. Each conservation district, including the 12 in Puget Sound, will receive \$71,808.50 to implement water quality projects.

**Agency:** Conservation Commission

**Budget code title:** Hood Canal Skokomish Anaerobic Digester

**Total proposed funds:** \$560,000

Budget Code	Final 05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
CC-06		\$560,000	GF-S - Capital	Priority 4: B9 Hood Canal	AG NP

**Program description:** From the authorizing legislation, 2005 Washington State Legislature Engrossed Substitute Senate Bill 6094:

“The appropriation in this section is subject to the following conditions and limitations: The appropriation is provided solely for a grant to the Mason conservation district for construction of an anaerobic digester in the Skokomish river watershed. Up to \$50,000 of this amount may be spent on completing design concepts and feasibility analysis. The remaining funds shall be allotted only after the following has occurred: (1) Mason

conservation district secures nonstate matching funds or in-kind contributions of at least twenty-five percent of the total project cost; (2) a feasibility study is completed and submitted to the Puget Sound action team and the state conservation commission; and (3) the Puget Sound action team and the state conservation commission approve the project proposal.”

**Proviso funded activities:** None

**Expected Results:**

Based on the completion of the feasibility analysis, the three directives in the budget proviso as well as construction of the anaerobic digester are completed.

## Department of Ecology

**Agency:** Ecology

**Budget code title:** Ambient monitoring and laboratory certification

**Total funds:** \$4,065,692

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-01	3,280,886		GF-S	The Role of Science: results 3,4,5,6,7 and 9	L, MR
	244,000		GF-F		L, MR
	540,806 <sup>1</sup>		WQA		L, MR

**Program description:** The agency has established a monitoring network to assess the current status of state waters, identify threatened or impaired waters, and evaluate changes/trends in water quality over time. This network includes sampling stations in rivers, streams, and marine waters. The collected monitoring data are used for various purposes including assessing the health of waterbodies and tracking and assessing the effectiveness of water cleanup activities. The agency also certifies laboratories that conduct tests or submit data to the agency in order to help assure these laboratories have the demonstrated capability to provide accurate and defensible data.

**Proviso funded activities:** A significant part of the monitoring network was developed under the direction of Chapter 90.71 RCW, which ensured implementation of the Puget Sound Ambient Monitoring Program. Roughly 30% of the long-term freshwater monitoring network, 66% of the marine water network, 100% of sediment stations, and 33% of the flow monitoring network are located in Puget Sound and funded by proviso money.

### **Expected Results:**

#### Marine Water Quality:

- Provisional marine water quality monitoring data updated on Ecology's internet site every 6 months.
- Puget Sound eutrophication index updated annually
- Most recent marine water quality data incorporated into Ecology's Clean Water Act section 303(d) and 305(b) integrated report
- Most recent marine water quality data incorporated into Puget Sound Update report.
- Most recent marine water quality data interpreted in presented talks or posters at 2005 Puget Sound/Georgia Basin Conference

#### Marine Sediment Quality:

- Marine sediment data updated on Ecology's internet site annually.

<sup>1</sup> The final enacted budget for the Department of Ecology was reduced by approximately \$194,000 for Action Item DOE-01 (Ambient Monitoring). While the overall budget was reduced, the Action Team proviso was inadvertently not reduced. The department will be working to request/secure this reduced funding over the course of the next year.



- Marine sediment quality data uploaded to SedQual database within 6 months of receipt of results.
- Preliminary report of sediment quality in Hood Canal completed by March 2005
- Most recent sediment quality data incorporated into Puget Sound Update report
- Most recent sediment quality data interpreted in presented talks or posters at 2005 Puget Sound/Georgia Basin Conference

**Freshwater Quality:**

- Freshwater ambient monitoring data posted to Ecology's web site within 3 months of sampling.
- Freshwater quality "exceedence reports" completed quarterly
- Ecology's freshwater Water Quality Index updated annually
- Most recent freshwater monitoring data incorporated into Ecology's Clean Water Act section 303(d) and 305(b) integrated report

**Laboratory Accreditation:**

- >95% of required, onsite audits and laboratory accreditation renewals completed on schedule
- 100% of water and solid waste environmental laboratories used by Ecology are capable of producing reliable data

**Agency:** Ecology

**Budget code title:** Wastewater discharge permits

**Total funds:** \$3,826,188

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-02	77,968		GF-S	Priority 2: A3, B5, B6 Priority 3: B1	M & I
	3,748,220		WQPF		M & I

**Program description:** The program regulates the discharge of pollutants to surface and ground waters by writing wastewater discharge permits for sewage treatment plants, stormwater, and industrial discharges. A permit is a rigorous set of limits, monitoring requirements, or management practices, usually specific to discharge, which is designed to ensure that a facility can meet both treatment and water quality standards.

**Proviso funded activities:** Activities funded by proviso include permit issuance and maintenance, technical assistance, site inspections, follow-up on permit violations, research, and training to locals and tribes.

**Expected Results:** The volume of reclaimed water in Puget Sound increases by 2 million gallons per day during the course of the biennium.

- By June 2007, National Pollutant Discharge Elimination System (NPDES) permits for 85 percent of municipal sewage treatment plants have been renewed, or newly issued within the past five years.
- By June 2007, NPDES permits for 85 percent of industrial permits have been renewed or newly issued within the past 5 years.

- 90% of the 80 to 85 jurisdictions that need a municipal stormwater permit have obtained a permit that includes provisions for monitoring and reporting.

**Agency:** Ecology

**Budget code title:** Watershed Planning

**Total funds:** \$3,904,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-03		3,904,000	WQA	Priority 5: Strategy 3	WP

**Program description:** *Provide Technical and Financial Assistance for Local Watershed Planning.* In 1998, the Watershed Planning Act established a framework for state, local, and tribal governments to collaboratively create watershed plans that address water needs, reduce water pollution, and protect fish habitat. As the first watershed plans are coming to completion, emphasis is shifting to implementation of the water management strategies contained in the plans. Ecology supports watershed planning and implementation by providing staff support, technical and financial assistance to local groups and by adopting the county approved plans into rules. Ecology will also implement strategies for water resource management, as agreed to in the locally developed watershed plans.

**Proviso funded activities:** None.

**Expected Results:**

- Work at the local level to integrate regulatory and conservation approaches in implementing watershed plans.
- Local watershed plans are developed and implemented to provide sufficient water to meet future water use needs for population and economic growth, instream flows for fish, and water quality protection.
- Coordinate and provide technical assistance to 45 of the state's 62 Water Resource Inventory Areas and represent the state's interests in the development of local watershed plans. The outcome of this effort will be locally developed plans that meet the needs of instream flows for fish, and out-of-stream uses for population and economic growth, agriculture, and energy production.
- Administer an \$11.2 million statewide biennial grant program to assist 20 local planning units in both development and implementation of their watershed plans.
- Establish new instream flow rules to protect salmonids.

**Agency:** Ecology  
**Budget code title:** Nonpoint Source Pollution  
**Total funds:** \$970,150

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-04	970,150		GF-S	Priority 4: B1, C1	NP

**Program description:** Nonpoint source pollution (polluted runoff) is the leading cause of water pollution and poses a major health and economic threat. This program is responsible for managing the State's *Water Quality Plan to Control Nonpoint Source Pollution*. This includes coordination with various state agencies and other stakeholders to meet the plan and the expectations of the Environmental Protection Agency. The program provides on the ground technical assistance and strategy development for communities. It also administers a grant to provide funds to state agencies, local governments and communities to improve the management of non point source pollution problems. Types of nonpoint pollution include fecal coliform bacteria, elevated water temperature, pesticides, sediments, and nutrients. Sources of pollution include agriculture, forestry, urban and rural runoff, recreation, hydro modification, and loss of aquatic ecosystems.

**Proviso funded activities:** Activities funded by this proviso include providing education and outreach to local governments and tribes, encouraging community action, providing funding and technical support to local decision makers, collaborating with other agencies, local agencies and tribes to carry out organized strategies to correct water quality problems relating to shellfish in threatened areas and prevent growing area downgrades; participating on advisory committees, administering grants, preparing and implementing water cleanup plans related to nonpoint pollution sources, conducting compliance and enforcement efforts, and participating in shellfish closure and response planning. (Note: Beginning in the 05-07 budget, the previous Ecology Shellfish budget code, DOE-05, is now rolled into this budget code)

**Expected Results:**

- The fecal coliform loading to Hood Canal from the Skokomish River (measured at the Highway 106 bridge) is reduced by 44 percent compared to the baseline established in 2000. The fecal coliform loading to Hood Canal from the Union River is reduced by 34 percent over the course of the biennium.
- The Department of Ecology completes 50 nutrient, dissolved oxygen, and fecal coliform-focused water quality cleanup plans on an annual basis

**Agency:** Ecology  
**Budget code title:** Stormwater Program  
**Total funds:** \$2,102,769

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-06	311,697		GF-S	Priority 3: A2, B1, B4, B5, C1, F1	SW
	1,400,000	391,072	STCA		

**Program description:** The program prepares tools, renders assistance and provides compliance pathways for people to control the quantity and quality of stormwater runoff from development and industrial activities. The program is currently providing training and assistance to communities and industries for the *Stormwater Management Manual for Western Washington* and is actively developing an Eastern Washington stormwater manual. The program is also re-issuing stormwater permits to Washington's largest cities and counties (phase I jurisdictions) and will develop a phase II permit program that will require stormwater management programs for areas with populations of 10,000 or more.

**Proviso funded activities:** Activities funded by this proviso include technical assistance and training to local governments and tribes; developing and maintaining technical standards; issuing municipal, industrial and construction National Pollutant Discharge Elimination System (NPDES) permits; conducting inspections at stormwater facilities; researching and sharing stormwater management technologies.

**Expected Results:**

- 80% percent of jurisdictions with combined sewer overflows meet the milestones in their CSO reduction plans, such as implementing CSO reduction activities.
- 90% percent of the jurisdictions who need a municipal stormwater permit have obtained a permit that includes provisions for monitoring and reporting.
- Ecology staff carry out stormwater inspections at 500 construction sites.
- Ecology staff carry out stormwater inspections at 600 industrial sites.
- Credits for low impact development techniques in the Stormwater Management Manual for Western Washington are updated based on monitoring data and evaluations made available by January 2007.
- Municipal NPDES stormwater permits will include effectiveness monitoring.

**Agency:** Ecology  
**Budget code title:** Contaminated upland and sediment sites including dredging activities  
**Total funds:** \$33,885,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-07	\$1,181,000		STCA	Priority 1: A1, A2, B1, B2, C1 Priority 2: B3	S
		\$32,704,000	LTCA		

**Program description:** Ecology protects public health and natural resources by cleaning up and managing contaminated upland and aquatic sites under the Model Toxic Control Act Cleanup Regulation and Sediment Management Standards. This includes preventing the creation of new sites by coordinating with other regulatory programs and agencies to control sources of contamination and working with local governments and industry to reduce releases of toxic contamination into the environment. The cleanup of these sites protects public health, reduces contamination uptake into the food web, and promotes local economic development by making land available for new industries and other beneficial uses.

**Proviso funded activities:** Ecology uses these funds for multiple activities that support the identification, characterization and cleanup of contaminated sites in Puget Sound. In addition, it supports work to prevent the recontamination of cleaned up sites or creation of new sites in Puget Sound by controlling sources from adjacent uplands and permitted discharges. Activities include working cooperatively with other regulatory programs and agencies as well as local governments and industry to accomplish cleanup. Funds also support Ecology's participation in the cooperative state and federal Dredged Material Management Program, which manages open water disposal sites for clean dredged material.

**Expected Results:**

The most highly contaminated sites are cleaned up and managed to minimize public and environmental health impacts. Remediated sites are ready for redevelopment or other beneficial use.

- The total number of upland and aquatic sites that are remediated under the authority of Ecology increases by 560 sites.
- Award Local Toxics Control Account (LTCA) funds to local governments to advance site cleanup schedules for 10 Puget Sound sites. Sites and funding amounts are:

- Bellingham Bay projects	\$8,480,000
- Lower Duwamish Waterway	\$4,960,000
- Port of Olympia – Cascade Pole	\$2,400,000
- City of Tacoma – Thea Foss	\$11,840,000
- Port of Tacoma – 721 Alexander	\$480,000
- Port of Tacoma – Former Kaiser Plant	\$800,000
- Port of Tacoma – Pier 25	\$3,200,000
- Port of Tacoma – Hyelbos Waterway	\$184,000
- Pierce County – Puget Creek Beach	\$200,000
- Port of Tacoma- USG/Thermafiber	\$160,000
- For aquatic sites, 5000 sediment acres are evaluated to assess whether cleanup is needed during the biennium.

**Agency:** Ecology

**Budget code title:** Wetland protection and restoration

**Total funds:** \$524,690

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-08	411,690		GF-S	Priority 5: C1,C2, D1	MFH
	113,000		GF-F		

**Program description:** *Protect Restore and Manage Wetlands.* The agency has the lead responsibility in implementing the State Water Pollution Control Act which requires the protection of wetlands. It provides technical assistance to local governments, helping them implement requirements in the Shoreline Management Act and Growth Management Act. Staff also provides technical assistance to non-government entities on wetlands conservation and stewardship programs. The agency provides leadership on wetlands issues, coordinating statewide policy issues and developing new approaches for managing and restoring wetlands. Properly functioning wetlands protect water quality, reduce flooding, provide aquifer recharge for drinking water and other uses, and provide critical habitat for fish and wildlife. The agency also issues water quality certifications for water-related (including wetlands) projects to protect water quality, sediment quality, and fish and shellfish habitat.

**Proviso funded activities:**

- A landscape-scale computer-based tool<sup>2</sup> for assessing projects and sub-basin areas is developed to assist local governments in protecting shorelines and other critical areas that provide important ecological functions.
- Local governments receive technical information and assistance with comprehensive planning decisions and permits related to wetlands.
- Citizens receive technical information and assistance on wetlands restoration and stewardship in the context of voluntary actions, as well as regulatory.

**Expected Results**

- **Whatcom County Model** - Technical guidance is provided to Whatcom County to develop a model of landscape scale watershed assessment and planning. Assistance is provided with applying the landscape assessment tool, applying alternative futures analysis for informing the comprehensive planning process, and designing the implementation tools necessary to establish a progressive county-wide landscape-based model of local planning with landscape processes and functional protection as the priority.

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<sup>2</sup> Landscape analysis involves analyzing environmental factors that occur at geographic scales such as basins, sub-basins, and watersheds. Environmental factors include the movement of water, sediment, nutrients, chemicals, energy or animals and plants. A computer-based approach uses Geographic Information System technology to manage, analyze, display and monitor data and results. The results can be used to inform decisions related to land protection, restoration , planning and permitting.

- **Expanded Landscape Assessment Tool** - The landscape-scale computer-based tool for assessing projects and sub-basin areas is expanded further to incorporate eco-regional planning habitat components. This will better assist local governments in protecting shorelines and other critical areas that provide important ecological functions.
- **Local Government Technical Assistance** - Local governments receive technical information and assistance with landscape scale resource assessment; smart growth planning approaches for landscape process and function protection; comprehensive planning and SMP development; regulatory permit assistance; and non-regulatory program implementation related to wetlands; etc.
- **Local Government Wetland Training** - Local governments and other key audiences receive technical wetlands training on: conducting landscape scale assessments, land use policy and regulatory protection for wetlands, landscape-based SMP and comprehensive plan development related to wetlands, smart growth and non-regulatory approaches, etc.
- **Wetland Stewardship** - Local governments and citizens receive technical information and assistance with establishing voluntary wetland stewardship efforts that can include preservation and restoration of lands. Technical information and assistance will be offered to willing local governments wishing to establish green infrastructure plans for directing strategic non-regulatory efforts. Technical assistance and grant funding support will be provided to local governments and communities conducting wetlands restoration and stewardship projects.

**Agency:** Ecology

**Budget code title:** Oil spill prevention and response

**Total funds:** \$5,781,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-09		2,876,000	VRA	Priority 2: Strategy 3, A2,B7, B8	SP
	705,000	1,600,000	OSPA	Priority 2: Strategy 3; A2, B7, B8, C3, C4 Priority 5: Strategy 2; C4, C5	SP
		600,000	STCA	Priority 2: Strategy 3, B8	SP

**Program description:** Puget Sound is vulnerable to spills from large marine oil handling facilities, maritime vessel traffic, and land transportation related sources. The Spill Prevention, Preparedness, and Response Program will continue to:

- Prevent oil spills by increasing industry attention on human and organizational factors;
- Prepare for aggressive response to oil and hazardous material incidents;
- Rapidly respond to and clean up oil and hazardous material spills; and
- Restore public natural resources damaged by oil spills.

Ecology received \$1,630,000 during the 2005 legislative session for state-wide activities related to implementing former Governor Locke's Oil Spill Early Action Task Force

recommendations. Ecology estimates that one-half of this funding, or \$800,000, is for Puget Sound related activities. In addition, Ecology will assist the Governor's Office in establishing the Oil Spill Oversight Council and provide information for a report of recommendations on improving oil spill prevention and response.

**Proviso funded activities:** The Oil Spill Prevention Account (OSPA) supports a team of professional engineers and mariners that complete the following activities in Puget Sound:

- Inspection of large commercial vessels to verify compliance with international, federal, and state vessel safety and spill prevention requirements;
- Inspection of vessel fuel transfer (bunkering and lightering) operations;
- Inspection of facility oil transfer operations;
- Review and approval of large marine facility spill prevention plans; and
- Other related compliance activities.

**Expected Results:**

Oil Spill Prevention:

Vessel and facility inspections are conducted to verify compliance with state, federal and international safety requirements. Best Achievable Protection (BAP) for facilities and vessels is promoted. Causes of major spills are thoroughly investigated producing recommendations with broad influence. Intentional waste oil discharges from vessels is reduced. A rule is adopted by 6/30/06 establishing performance standards for oil transfers. A study of the oil tanker escort system is completed. A dedicated rescue tug is stationed at the entrance to the Strait of Juan de Fuca each year to provide timely emergency towing assistance to large disable vessels.

Oil Spill Preparedness:

The community's ability to contain oil spills before they spread is significantly improved. Contingency plan holders are better prepared to quickly and thoroughly remove spills. Oil spill contingency plans are reviewed and approved. Oil spill contingency plans incorporate information from drills and spills. Spill response management is significantly improved through the use of the agency's Incident Management Assist Team (IMAT).

Oil and Hazardous Material Spill Response:

Oil & hazardous material spills are rapidly responded to and clean-up, 24 hours/day from 5 field offices.

Restore Natural Resources Damaged by Oil Spills:

Natural Resource Damage Assessments are issued on all oil spills where 25 or more gallons reach surface waters. Funds from Natural Resource Damages are applied to restore and protect wildlife habitat.

Ecologically important land damaged through oil spills is mitigated through the Natural Resources Damages Assessments administered by Ecology.



**Agency:** Ecology  
**Budget code title:** Aquatic nuisance species  
**Total funds:** \$89,903

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-10		45,053	FAWA	Priority 5: B7	AQ
		44,850	STCA	Priority 5: B7	AQ

**Program description:** The program coordinates noxious weed permitting issues with regional staff and the public. It also manages the Department of Agriculture general permit for noxious weed control. The program coordinates with agencies and local government on aquatic herbicide use for noxious weed control activities. Also, a grant program is administered to provide funds to local governments to prevent, remove, or manage invasive freshwater aquatic weeds from watersheds associated with the Puget Sound basin.

**Proviso funded activities:** Activities funded by this proviso include providing technical assistance, administering grants, developing educational materials, training for locals and tribes, reviewing and approving integrated vegetation management plan for noxious emergent vegetation, researching and developing management strategies for various chemicals.

**Expected Results:** No new aquatic nuisance species are introduced, and the spread of existing species, such as Spartina, is minimized.

**Agency:** Ecology  
**Budget code title:** Shoreline Management Act  
**Total funds:** \$2,245,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-11		1,927,000	GF-S	Priority 5 - Strategies 1,2: B1, D2, D3	MFH
		318,000	GF-F		

**Program description:** *Protect and Manage Shorelines in Partnership with Local Governments.* The Shoreline Management Act establishes a cooperative program between local and state governments, in which local governments develop and administer local Shoreline Master Programs and Ecology provides support and oversight. The agency is involved in shoreline management in four primary ways: developing guidelines for local shoreline programs; providing technical assistance to local governments and applicants on shoreline planning and permitting activities; reviewing and approving amendments to local shoreline master programs; and reviewing

shoreline permits to ensure resource protection and implementation of the Shoreline Management Act.

Ecology works with local governments on permit compliance by responding to public inquiries and complaints, making field visits, providing compliance-related technical assistance, and issuing notices of correction, orders, and penalties. Properly managed shorelines provide habitat for fish and wildlife, minimize flooding and property damage, and provide land use certainty to local landowners.

**Proviso funded activities:** None

**Expected Results:**

- Help achieve effective critical areas ordinance updates, other growth management and Shoreline Master Program updates through funding, technical assistance, data and comment.
- Snohomish County, Whatcom County, the city of Port Townsend and the city of Bellingham update their Shoreline Master Programs (SMP) to new guidelines by December 1, 2005. Other jurisdictions funded for SMP updates as early adopters will be on schedule for this biennium or soon after.
- Shoreline landowners, consultants and developers receive education and technical assistance to promote alternatives to traditional “hard” methods of shoreline modifications that allow the shoreline to maintain natural processes.
- Local government staff, real estate professionals, developers and citizens increase their knowledge, skills, and motivation to change their behaviors and practices to better protect shorelines and other ecologically critical areas, including restoration and stewardship voluntary actions. This will include awarding clock hours to real estate professionals.
- Shorelines of the state are protected, restored and managed consistent with state and local laws.
- Respond to 100-200 requests for technical assistance every month from local governments, state agencies, tribes, and citizens on interpreting and administering the Shoreline Management Act.

**Agency:** Ecology

**Budget code title:** Northwest Straits Commission

**Total funds:** \$1,500,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-12		1,500,000	GF-F	Priority 6: Strategy 2	MFH

**Program description:** *Provide Technical Training, Education, and Research through Padilla Bay Estuarine Reserve.* The Padilla Bay National Estuarine Research Reserve is one of 25 national reserves established to protect estuaries for research and education. The Padilla Bay Reserve in Skagit County conducts a broad array of public education programs, technical and professional training, coastal restoration, and

scientific research and monitoring. The Reserve, managed in partnership with the National Oceanic and Atmospheric Administration (NOAA), includes over 11,000 acres of tidelands and uplands, the Breazeale Interpretive Center, a research laboratory, residential quarters, trails, and support facilities. The Reserve also provides funding and technical support to local Marine Resource Committees as part of the Northwest Straits Initiative and administers the Northwest Straits Commission as established by Congress in 1998.

The Northwest Straits Commission is housed within the Padilla Bay National Estuarine Research Reserve. Its purpose is to halt the degradation of marine resources in the Northwest Straits. The Northwest Straits are from the Strait of Juan de Fuca and northern Puget Sound to the Canadian border. The Northwest Straits Marine Conservation Initiative provides a way for local, tribal, state and community representatives to work together to protect vital marine resources. Halting the degradation of marine resources in the Northwest Straits will require the efforts of many agencies, organizations and individuals. The Northwest Straits Marine Conservation Initiative draws strength from citizen-driven efforts to garner community support for measures to protect and restore the Straits' salmon, shellfish, bottomfish and other vital resources, plus the habitats they need to survive.

**Proviso funded activities:** None

**Expected Results:**

- Support and assist in regional coordination of large-scale initiatives such as the Northwest Straits Marine Conservation Initiative.
- Develop local, bottoms-up solutions to marine resource issues.
- Provide resources, training and technical assistance to the seven marine resources committees.
- Implement recommendations identified in the 2004 report written by the Initiative's evaluation panel including developing strategic priorities for the next 5-10 years.

**Agency:** Ecology

**Budget code title:** PBT Strategy

**Total funds:** \$1,454,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-13		1,454,000	STCA	Priority 2: C1	M&I, SW, EM

**Program description:** Persistent bioaccumulative toxins (PBTs) are particular toxic chemical elements and compounds that are persistent in the environment (resist chemical break-down), can move through the food chain, and accumulate in the tissue of humans and many animals. These toxins pose a serious health risk to humans and animals in the food chain. Under Legislative direction, in December 2000 Ecology completed and submitted a proposed strategy to reduce PBTs in Washington State. While some components of the strategy have been implemented, most sources of

funding for implementation ended during the 03-05 biennium. While some funding is appropriated for the 05-07 biennium, additional funding is needed to continue this effort.

**Proviso funded activities:** None

**Expected Results:** PBT strategy and chemical-specific action plans are being implemented.

- a. One chemical action plan is completed during the 2005-2007 biennium.
- b. The mercury chemical action plan is being implemented.
- c. The PBDE chemical action plan is being implemented.

**Agency:** Ecology

**Budget code title:** Technical Resources for Engineering Efficiency (TREE)

**Total funds:** \$20,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-14		12,500	HWAA	Priority 2: C2	M&I
		7,500	STCA		

**Program description:** The Technical Resources for Engineering Efficiency (TREE) team uses engineering analysis to reduce environmental impacts, facility cost, and regulatory requirements. Technical assistance is provided to the facility at no cost. Several recent projects have resulted in hundreds of thousands of gallons per day in water use reduction and several thousand dollars in savings for the company. The team is headed by the Hazardous Waste and Toxics Reduction program with engineers from several programs participating. An annual accomplishments report is published.

**Proviso funded activities:** None

**Expected Results:**

Ecology's Technical Resources for Engineering Efficiency (TREE) program completes evaluations that suggest quantifiable waste reductions for one industrial facility in the Puget Sound basin during the biennium.

**Agency:** Ecology

**Budget code title:** Hood Canal Corrective Actions

**Total proposed funds:** \$3,562,352

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOE-15		\$1,000,000	CCWF-Capital	Priority 4 – B3 Hood Canal	M & I NP
		\$460,000	WQA-Capital	Priority 4 – B5 Hood Canal	OSS
		\$1,000,000	SRF-Capital	Priority 4 – B6 Hood Canal	OSS
		\$802,352	SRF-Capital	Priority 4 – B3 Hood Canal	M & I
		\$300,000	LTCA – Capital	Priority 4 – B10 Hood Canal	SW

**Program description:** The 2005 state legislature approved this funding for Ecology to administer through its water quality program. The water quality program manages a variety of programs to improve water quality through prevention, education, monitoring, planning, permitting, enforcement, and financial assistance. Financial assistance to local governments supports a broad scope of water quality prevention and cleanup activities.

**Funded activities:** The funded activities provide support for local governments to address water quality problems identified in the *Hood Canal Preliminary Assessment and Corrective Action* plan (2004) and coordinated state, local and federal efforts as human contributors to the Hood Canal low dissolved oxygen problem. Ecology water quality staff will administer the follow funds:

- Centennial Clean Water Fund proviso for \$1,000,000 for a design to improve sewage management in the area from Skokomish to Hoodsport.
- \$802,352 in State Revolving low-interest loan funds to supplement an existing FY2003 loan to Mason County to complete a sewer design for the Belfair area.
- \$460,000 to pass through to Jefferson (\$70,000), Mason (\$320,000) and Kitsap (\$70,000) counties to identify failing onsite sewage disposal systems.
- State Revolving Fund low-interest loan funds of \$1,000,000 through local health jurisdictions to fix failing onsite sewage systems identified in the surveys.
- \$300,000 to pass through to Mason County to complete stormwater management plans for Hoodsport and Belfair.

**Expected Results:**

- Designs to improve sewage management in the Skokomish to Hoodsport area and Belfair area are completed.
- Onsite sewage system surveys for Hood Canal areas of Mason, Jefferson and Kitsap counties identify failing systems.
- Local health jurisdictions distribute low interest loan funds to businesses and homeowners of failing systems for repairs or replacement.
- Mason County completes stormwater management plans for Belfair and Hoodsport areas.

## Department of Fish and Wildlife

**Agency:** Fish and Wildlife

**Budget Code Title:** Long-Term Monitoring of Puget Sound Marine Birds and Waterfowl

**Total Funds:** \$175,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-01	\$175,000		GF-S	The Role of Science Strategies: 1, 2, 3 Results: 1, 2, 4, 5, 6	MR PS/GB

**Program description:** The inner marine waters of Washington State are host to key concentrations of highly diverse and significant portions of the Pacific Flyway's populations of marine birds and waterfowl, indicators of the marine ecosystem's health. Monitoring data gathered between 1992 and 2004 in Puget Sound have documented significant declines over more than 20 years in 13 of the 18 species evaluated. A number of these species have declined significantly, some as much as 80-95%. Monitoring data are critical to monitor recovery, evaluate differences in sub-regions, help direct specific management efforts, and assist WDFW in maintaining state, federal, and international partnerships.

**Proviso funded activities:** Continued use of aerial surveys, following the stratified random survey design and coverage, directed by past scientific review, which has been used throughout 1992-2004 winter aerial bird surveys in the inner marine waters of Washington. Provide relative density indices, summaries, analyses, map products, and interpretation of monitoring data for ongoing management programs and integration into PSAMP and other programs, partnerships, and collaborations.

**Expected results:**

1. Provide status and trends data for select groups of wintering marine bird and waterfowl species, that have significant indigenous populations utilizing greater Puget Sound. (8: Results: 1, 2).
2. Make data available in Geographic Information System format accessible to the public. (8: Results: 4, 5).
3. Inform the public and managers through dissemination of results and analyses at research conferences, meetings, and reports. (8: Results: 4, 5).
4. Determine what habitats, patterns of distribution, and mortality factors impact declining species of concern most and use these to help develop management actions that would minimize declines and support recovery. (8: Results 1, 5, 6.)

**Agency:** Fish and Wildlife

**Budget Code Title:** Sound-wide Technical Assistance for Water Quality and Habitat

**Total Funds:** \$150,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-02	\$150,000		GF-S	Priority 5: B4, D1, D2, D3. Priority 6: A1, A2, A3, A4, B2, B3, B4, C1. Priority 7: B1	MFH

**Program Description:** Provides lead and coordination for technical assistance for major Puget Sound marine development projects. Ensures that marine and nearshore habitat for fish and associated process attributes are protected and maintained through agency representation, interagency coordination, technical assistance, policy application and regulatory recommendations during early planning, implementation, and follow-through for complex marine projects (e.g. public ports, Department of Transportation ferry terminals, waterfront development, major marinas, etc.).

Provides agency representation and coordinates regional technical support for protection of fish and habitat during Federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and state Model Toxics Control Act (MTCA) cleanup actions of contaminated marine sediments. Participates as state co-trustee for Natural Resource Damage Assessment (NRDA) in Puget Sound.

**Proviso funded activities:** Provides technical expertise and policy application for issues affecting Puget Sound marine and nearshore habitat. Disseminates and applies current monitoring and research findings to facilitate scientifically based decision-making and resource protection in review and permitting of development projects and associated mitigation. Facilitates external coordination with other state and federal agencies, tribes, and ports to enhance cooperation and effectiveness in protecting, enhancing, and restoring marine and nearshore habitats. Coordinates staff technical support to facilitate consistency and use of best available science. Provides support for Puget Sound marine-related Growth Management Act concerns.

**Expected Results:** Coordinated agency approaches to remediation of contaminated sediments, including protection of fish during remedial activities and restoration of important nearshore habitats following remediation. Reduced use of treated wood products in Puget Sound through continued education, recommendation of alternative materials use, and support of removal of existing treated materials. Protection of shorelines and other critical areas will continue through coordination and availability of technical assistance to shoreline owners, developers, and public ports, in addition to interagency and tribal communication on major marine projects, including restoration. Enhanced protection of eelgrass and other marine vegetation through agency representation in the effort to develop a statewide sea grass management and conservation plan. Improved protection of shorelines through continued education of local government staff, developers, and citizens to increase their awareness and appreciation of shoreline processes, habitat functions, and ecological relationships important to shoreline health. Technical support for implementation of projects that restore natural habitat forming processes, increase the area of tidally influenced

estuarine wetlands, and improve riparian conditions. Improved consideration and implementation of process-based restoration objectives through agency representation in the review of large-scale mitigation projects, Natural Resource Damage Assessment decision documents, and waterfront redevelopment projects in Puget Sound.

**Agency:** Fish and Wildlife

**Budget Code Title:** Local Technical Assistance for Water Quality and Habitat

**Total Funds:** \$650,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-03	\$650,000		GF-S	Priority 5: A1, D1, D3, D4. Priority 6: A1, A2, A3, A4, B3, C1, D1. Priority 7: B1	MFH, WP

**Program Description:** These positions serve as part of the Watershed Stewardship Team and provide technical assistance in Puget Sound to: 1) local governments, 2) local salmonid recovery groups (Lead Entities, Regional Fishery Enhancement Groups), 3) watershed groups, 4) environmental and neighborhood organizations, and 4) the interested public regarding salmonid protection and restoration projects. Working with these local groups they assist in the development of estuary, nearshore, freshwater and marine shoreline habitat protection and restoration projects, seek funding for projects, and participate in watershed planning and review of shoreline master programs.

**Proviso funded activities:** Provide technical assistance within Puget Sound watersheds to local governments, salmonid recovery groups and the interested public to conserve, protect, and restore freshwater, marine, and nearshore habitats for salmon, forage fish, and other species that utilize these areas. Assist Lead Entities with evaluation, design, and submittal of proposed habitat restoration projects to the Salmon Recovery Funding Board, Aquatic Lands Enhancement Account, and Interagency Committee for Outdoor Recreation for funding. In addition, WDFW Watershed Stewards coordinate with agency technical experts to address specific Lead Entity needs for salmon recovery planning, forage fish spawning habitat protection, restoration of riverine and nearshore processes, and other associated priorities.

**Expected Results:** Continued funding and implementation of scientifically sound habitat conservation and restoration projects including freshwater, marine, nearshore and riparian areas. On-going technical assistance to local governments, Lead Entities, and the interested public facilitating understanding and use of current scientific principles in the protection, restoration and regulation of important habitats. An increased focus on addressing habitat forming processes during project formulation, design and implementation. Continued coordination within WDFW and between natural resource agencies, tribes, environmental organizations, and interested citizens to maximize opportunities and achieve broad support for conservation and restoration projects.



**Agency:** Fish and Wildlife

**Budget Code Title:** Aquatic Nuisance Species and Ballast Water Programs

**Total Funds:** \$170,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-04	\$170,000		GF-S	Priority 5: B-5 and -7 and Priority 6, A4	ANS 1-6

**Program description:** This Program is part of the state, Western Regional Panel, National and International efforts to deal with Invasive Species through: ballast water exchange and treatment development; monitoring and reporting from shipping industry activities; and outreach education, regulatory prevention and control measures of aquatic nuisance species crossing state borders.

**Proviso funded activities:** Specifically, this activity supports elements of the state ballast water program and the aquatic nuisance species program. Provides for staff representation on legislatively established work groups and committees as well as regional, national and international representation. Outcomes are legislatively mandated reports and implementation assignments plus planning activities and action plan development.

**Expected results:** Priority 5 results B5 and 7: A report on ballast water management will be produced to the legislature as required by law in December of 2006. Implementing state rules on ballast water and aquatic nuisance species should further minimize the risk of non-native species introductions. Priority 6: Develop a rapid response plan for new detections of invasive species.

**Agency:** Fish and Wildlife

**Budget Code Title:** Puget Sound Marine Fish Recovery

**Total Funds:** \$680,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-05	\$680,000		GF-S	Priority 7: C, E, F, the Role of Science	MFH8,9; R1.1, PS/GB-1

**Program description:** This program continues the basic scientific approaches to stock assessment, long-term monitoring, and management of Puget Sound groundfish populations. Agency staff use a variety of fishery dependent and independent information to determine the status of fish populations by comparing abundance estimators over time; analyzing trends in biological parameters such as age, growth and mortality schedules; and developing quantitative models that predict the impacts of harvest strategies on future population levels. Catch and fishery data are analyzed and regional surveys are conducted to estimate fish abundance and biological conditions. The role of marine reserves (marine protected areas) is also investigated as a research and ecosystem management tool. These activities provide the basis for fishery management actions that are based upon developing groundfish conservation plans.

**Proviso funded activities:** A stratified-random trawl survey of two sub-basins of northern or southern Puget Sound or adjacent Canadian waters annually that provide biomass estimators for English sole, other flatfish, Pacific cod, and other groundfish. A near-shore, quantitative video survey of rocky habitats to: estimate the abundance; and, define the distribution of rockfish, lingcod, and other rocky habitat species. Conducted annually in one to two sub-basins of Puget Sound. Monitoring commercial and recreational harvests, including enhanced biological sampling of recreationally caught marine fishes. Monitoring WDFW marine protected areas for trends in fish abundance, spawning activity, and size distributions, identifying potential rockfish conservation areas, evaluating role of marine protected areas as a management tool. Conduct comprehensive stock assessments, fishery reviews, and modeling for selected groundfish stocks identifying appropriate fishery management regulations and limiting factors for sensitive species such as Pacific cod and spiny dogfish. Provide fish tissue samples for toxic contaminant assessments and ongoing contaminant monitoring. Marine fish stock identification studies. Responding to Hood Canal fish kill reports and conducting scuba, video, and trawl studies at marine reserves, near-shore rocky habitats, and soft-bottom habitats throughout Hood Canal.

**Expected results:** Two annual bottom trawl surveys, each with 100 stations, covering two sub-basins of northern or southern Puget Sound or adjacent Canadian waters. Two technical reports detailing the results and trends obtained from past bottom trawl surveys. One peer-reviewed scientific paper detailing the results changing communities, trends, or other results obtained from bottom trawl surveys in Puget Sound. Create two annual quantitative video surveys on near-shore rocky habitats in two sub-basins of Puget Sound. Write a technical report that details the results of quantitative video surveys in Puget Sound. One peer-reviewed scientific paper detailing the techniques, abundance patterns, or habitat relationships obtained from quantitative video surveys. Surveys of all WDFW sub-tidal marine protected areas and intensive surveys of key reserves and adjacent fished sites in the San Juan Archipelago, Hood Canal, and Puget Sound. Author a peer-reviewed scientific paper detailing the results from past and current marine reserve studies. Create a map of the distribution and suitability of near-shore rocky habitats and recommendations for 6 rockfish conservation areas. Conduct two studies on marine fish stock identification using tagging, genetic marks, or microchemistry analysis. Collect one thousand age, genetic, and biological samples from recreationally caught rockfish, lingcod, and other marine fish. Provide ten observations of catch and by-catch from commercial fisheries. Promulgate permanent or emergency regulations modifying or restricting the harvest of sensitive groundfish species. Develop two collaborations with extra-agency scientists elaborating on aspects of groundfish surveys, results, or cooperative investigations. Draft two new groundfish conservation plans for key species detailing the status, fishery, and needs to recover or maintain healthy populations.

**Agency:** Fish and Wildlife

**Budget code title:** Deschutes Estuary Feasibility Study

**Total funds:** \$222,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-06	\$222,000		GF-S	Priority 6, A.1, and A.2.	MFH

**Program description:** Increasing costs associated with sediment removal, control of invasive aquatic weeds, and concerns about water quality have caused General Administration (GA) to investigate alternatives to the long-term costs associated with maintaining Capitol Lake. Those alternatives include full or partial restoration of the historic estuary by removal or alteration of the tidegate. Last year GA approved initiation of a feasibility study to evaluate the social and ecological costs and benefits of restoring the estuary. The study is designed to determine the best long-term aquatic environment for Capitol Lake and the Deschutes River estuary. It will evaluate the possibility of a restored estuary as an alternative to the continued management actions necessary to maintain a lake in this setting. The study is part of the Capitol Lake Adaptive Management Plan developed by a steering committee made up of state and local agencies that collaboratively support this budget request.

**Proviso funded activities:** Provides for study and project management oversight. Allows for timely public meetings to gather public input and to report when the results of various tasks are complete. Accommodates a broad range of possible estuary designs that will then be compared to the characteristics of known estuary types. Designs that match site conditions with self-sustaining, productive reference estuaries would move forward to the net benefit analysis. Conducts net benefit analyses that examine the community, economic, engineering, and biological benefits and costs of each of the designs. Evaluates short and long-term benefits and consequences. Considers such things as the transition effects from lake to estuary, the long-term consequences to the lake without dredging, and the practical, including financial, implications of a long-term dredging scenario will be considered. Incorporates an independent review process to review completed tasks of the feasibility study scope of work.

**Expected results:** The study will enhance the decision-making process for how Capitol Lake will be managed in the long-term.

**Agency:** Fish and Wildlife

**Budget Code Title:** Forage Fish Spawning Habitat Inventory Project

**Total Funds:** \$350,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-08	\$350,000		GF-S	Priority 7: C1, C2, E1, F1.	MFH

**Program Description:** Forage fish (surf smelt, sand lance, and herring) populations spawn on certain reaches of the shoreline and nearshore bottomlands throughout the

Puget Sound basin. These spawning habitats are vulnerable to degradation from human shoreline development activities (much has already been damaged or lost).

WDFW staff has developed effective field and lab protocols for the detection and documentation of forage fish spawning sites and have conducted (along with other entities) habitat surveys throughout Puget Sound. Unfortunately, there remain several significant gaps in geographical coverage that this project would be able to close (e.g., eastern shore of Kitsap County, Pierce County, southern Hood Canal).

**Proviso funded activities:** Further surveys of potential forage fish spawning sites within the Puget Sound basin. The project would also entail public out-reach/education efforts in the form of oral presentations, school class field trips, participation in informational workshops, as well as development and distribution of project reports. There would also be the opportunity for local volunteer groups and staff of other agencies to participate in the field surveys. Project staff would accept and respond to approximately 200 requests annually for forage fish information from entities both within and outside WDFW.

**Expected Results:** Increased conservation and protection of nearshore habitats that support forage fish spawning through improved awareness of spawning locations, access to survey information, evaluation of un-surveyed sites, and transfer of research results to others agencies, tribes, local governments and citizens.

**Agency:** Fish and Wildlife

**Budget Code Title:** Census of Burrow-nesting Seabirds in Puget Sound

**Total Funds:** \$150,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-09	\$150,000		GF-S	The Role of Science Strategies: 1, 2 Results: 2, 4, 5, 6, 7, 8	MR PS/GB

**Program description:** Rhinoceros auklet and tufted puffin are two species of burrow-nesting seabirds that occur within Puget Sound. Both species have declined in Washington State, as well as other regions along the eastern North Pacific Ocean. The tufted puffin decline in Washington has been precipitous; this species is listed as a Species of Concern and a Candidate Species by WDFW. There is a need to document the population trends in Puget Sound; first, to confirm the dramatic decline of tufted puffins. Secondly, to help understand why species with very similar habits are experiencing these trends in Washington and what we might do to help.

**Proviso funded activities:** Conduct surveys early in the breeding season (May-June) and again at the peak of breeding (July-August) centered on Protection and Smith islands, and strip (linear surveys) between these two islands. A minimum of two replicates will be conducted around each island at each of four time periods: dawn, midmorning, afternoon, and dusk. If possible, and with the cooperation of U. S. Fish and Wildlife Service, will be ground-truthed on-colony at both Protection and Smith islands. Environmental data will be collected simultaneously with the bird census data.

**Expected results:**

- Conduct detailed at-sea surveys of rhinoceros auklets and tufted puffins in the waters around and between Protection and Smith islands
- Assemble population estimates for rhinoceros auklets and tufted puffins
- Relate population estimates to environmental parameters and availability of food resources
- Organize a coordinated effort among federal, state, tribal, and university biologists to better understand the decline of these burrow-nesting seabirds in Puget Sound waters and direct recovery action

**Agency:** Fish and Wildlife**Budget Code Title:** SalmonScape Application for Forage Fish**Total Funds:** \$30,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-10	\$30,000		GF-S	Priority 7: C2, E1, F1.	MFH

**Program Description:** Forage fish (including herring, surf smelt, and sandlance) serve as an important food item for salmon. Forage fish preferentially deposit their eggs on intertidal beaches and are therefore highly susceptible to impacts from shoreline development. WDFW has surveyed most Puget Sound shorelines and documented the presence/absence of appropriate substrates and eggs. Recent advances in web-based GIS applications provide an opportunity to make these data directly and quickly available to the public, planners, and other agencies via SalmonScape.

SalmonScape is WDFW's interactive computer mapping system created to deliver scientific information to those involved in on-the-ground salmon recovery projects. SalmonScape is available at: <http://wdfw.wa.gov/mapping/salmonscape/>.

**Proviso funded activities:** The existing forage fish data require analysis, formatting and programming through SSHIAP (Salmon and Steelhead Habitat Information and Assessment Program) to prepare it for inclusion into SalmonScape. Funding would allow the completion of these tasks by WDFW and thereby provide planners, resource agency staff, tribes, and the interested public ready access to existing survey information for their geographic area of interest. The project would be completed by November 2005.

**Expected Results:** Increased conservation and protection of nearshore habitats that support forage fish spawning through improved awareness and access to survey information.

**Agency:** Fish and Wildlife**Budget code title:** Burlington Northern Railroad/Early Action Projects Feasibility**Total funds:** \$100,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-11	\$100,000		GF-S	Priority 6, A.1, A.2.	MFH

**Program description:** Burlington Northern Santa Fe Railroad (BNSF) is one of the largest property owners in the Puget Sound Nearshore study area. The rail line runs for nearly two hundred miles along the shore of Puget Sound, from the Nisqually Delta to the Canadian Border. Numerous small coastal streams intersect the railroad line, with potential impacts to associated pocket estuaries, transport of fluvial sediments, and fish passage. Sediment transport replenishes sand and gravel substrates, which provide nourishment to Puget Sound beaches. Most of the major nearshore ecosystem types identified by The Puget Sound Nearshore Ecosystem Restoration Project (PSNERP) have been impacted to varying degrees along the length of the railroad.

**Proviso funded activities:** Lead Entities and local watershed groups have proposed to conduct inventory and assessment work along the railroad. The general consensus is that an assessment of the entire rail line makes the most sense, however existing funding mechanisms are focused on intra-watershed studies.

Enhancing sediment transport and beach nourishment have been identified as a major “management measures” for the restoration of natural functions in the Puget Sound. PSNERP science team members need to better understand the contributions of sediment transport to beach nourishment, drift cell function, and habitat.

**Expected results:** PSNERP will establish a technical team to apply the conceptual model to identify and prioritize opportunities to enhance or re-establish sediment transport along the rail line. In addition, the Nearshore Science Team (NST) will develop a model to predict the effect of the proposed projects and to develop a monitoring program to refine the model for future applications in other sediment transport projects. The PSNERP Project Management Team will recruit a point person and convene a technical team from interested state and federal agencies, local watershed groups, and BNSF to develop a work plan for an inventory and assessment of BNSF properties along the Puget Sound shoreline. The Technical Team will identify priority projects to enhance sediment transport and beach nourishment along the railroad. The NST will also develop a scope of work for a monitoring and adaptive management plan.

**Agency:** Fish and Wildlife

**Budget code title:** Puget Sound Nearshore Restoration Project

**Total funds:** \$108,427

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-12	\$108,427		GF-S	Priority 6, Strategy 2 - B.1 and B.2	MFH

**Program description:** This interagency program will coordinate the development of a Sound-wide nearshore habitat restoration plan and lead the region's efforts to implement process-based restoration of nearshore habitats. This program will analyze the combination of spatially explicit large-scale restoration actions from a broad list of candidate projects. The evaluation of these proposed large scale restoration actions will require federal assistance through the US Army Corps of Engineer's planning formulation process, i.e. General Investigation (GI). The GI study process provides the

opportunity to study and recommend other actions outside restoration, including protection of nearshore areas or changes in shoreline management.

**Proviso funded activities:** Funding appropriated will provide local sponsor project management and in-kind state match to Stage II technical studies.

**Expected results:** We anticipate development of a list of a strategic assessment of needs for nearshore restoration and a list of strategic, process-based, ecosystem scale restoration actions. Actions will be organized as portfolios which will describe different action types proposed for different portions of Puget Sound, and which will include both large-scale restoration actions requiring significant new federal assistance (GI Portfolio or top-down planning) and smaller scale actions that would be implemented at local or community scales (bottom-up) of action.

**Agency:** Fish and Wildlife

**Budget Code Title:** Fish contaminant monitoring

**Total funds:** \$728,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-16	\$328,000		GF-S	Priorities 1, 2, 3 & 7 – various results	MR
		\$200,000	PS Recreational Fish Enhancement Account	Role of Science Strategies: 1, 2, 3	
		\$200,000	GF-F (Hatchery Scientific Review Project)	Results: 1, 4, 5, 6, 7, 8	

**Program description:** Continue long-term studies and complete focus studies that have already been initiated on the contaminant levels in Puget Sound salmon and other marine fish (allows comparison to non-Puget Sound populations, evaluation of the degree to which residency in Puget Sound increases contaminant exposure for Puget Sound chinook, and limited assessment of the relationship between the age of chinook salmon returning to spawn and their contaminant levels). As resources allow (and additional funds are acquired for this program), conduct additional studies to:

- further assess the relationship between the age of chinook salmon returning to spawn and their contaminant levels;
- investigate the role of hatchery rearing practices that encourage residency in Puget Sound;
- determine for Puget Sound chinook stocks, if juveniles in their first saltwater season are exposed to contaminant levels high enough to impair their health and potentially reduce their survival; and
- provide scoping of a model that describes the flow of contaminants through all components of the Puget Sound ecosystem to animals like killer whales that feed at the top of the food chain.

The specific scientific program to be implemented with the funding shown is not certain at this time. Additional funding may be applied to this program. The specific studies and results to be accomplished by the funding shown here and any additional resources that can be acquired will be identified through a program re-scoping effort that is being

initiated in the fall of 2004. WDFW is working with other state and federal partners, including Action Team staff, the Department of Ecology, and the Environmental Protection Agency to identify potential fund sources to expand the program.

**Proviso funded activities:** Proviso funds contribute about one-half of the total WDFW biennial funds committed to continuing long-term studies and completing focus studies that have already been initiated. The proviso funds provide partial support of (a) staff resources for planning studies, analyzing data, and preparing reports and (b) contract costs for sample collection and laboratory analysis. [The 2003-2005 proviso amount for this program was \$728,000. WDFW's proposed adjustment to this proviso reflects a desire to redirect proviso funds to other Puget Sound priority activities and to commit other continuing funds (with no proviso) to this program of fish contaminant monitoring activities.]

**Expected results:**

1. A comparison of contaminants in Puget Sound chinook (and other species) with non-Puget Sound populations.
2. Analysis of the contribution of Puget Sound chinook as a source of contaminants to killer whales.
3. Provide data that contribute to a multi-agency report on indicators of environmental health of Puget Sound.
4. A report on the relationship between fish age and contaminant levels will be completed for one Puget Sound stock.

The following results are potential results identified as part of program re-scoping and will depend on available funding.

5. A report that describes the degree to which hatchery practices have altered the age at return of spawning chinook salmon and potentially contaminant levels in Puget Sound chinook.
6. Report that compares potential contaminant-related health impairment to juvenile chinook salmon during their first season at sea from central Puget Sound with less contaminated areas.
7. Complete a scoping exercise for a preliminary detailed model of polychlorinated biphenyl (PCB) flow through the Puget Sound ecosystem. Partially parameterization the model based on based on existing and new sampling efforts.

**Agency:** Fish and Wildlife

**Budget Code Title:** Hoodsport Hatchery Improvements

**Total Funds:** \$380,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DFW-17		\$380,000	SBCA – Capital	Priority 4: B12; Priority 6: B.1	MFH

**Program description:** Fish and Wildlife's hatchery program produces fish for recreational fisheries and hatcheries are used in efforts to conserve and recover



depleted salmon and steelhead. In order to correct any pollution problems that may be contributing nitrogen to Hood Canal low dissolved oxygen problems, this funding was appropriated to implement corrections to the pollution abatement pond at the Hoodsport hatchery located on the Hood Canal shoreline where potential pollution problems from the abatement ponds have been identified. Funding for fish passage corrections is also provided to improve habitat.

**Funded activities:** While not specifically a proviso for implementation of the *2005-2007 Puget Sound Conservation and Recovery Plan*, this funding is a proviso in the 2005-2007 budget appropriated solely to implement a pollution abatement for the pond and fish passage corrections or improvements at the Hoodsport hatchery.

**Expected results:**

Improvements to a pollution abatement pond at the Hoodsport hatchery to reduce or prevent pollution to Hood Canal and fish passage corrections to improve habitat.

## Department of Health

**Agency:** Health

**Budget code title:** Monitoring, data management and reporting

**Total funds:** \$467,900

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOH-01	\$ 467,900		GF-S	Priority 3 –A1 Priority 4 – A1, C2, C3, the Role of Science	SH

**Program description: Shellfish Program** -The Shellfish Program’s mission is to protect and improve the health of the people in Washington by preventing their exposure to contaminated shellfish. Major elements include: the regulation of commercial shellfish operations; classification of commercial and recreational shellfish growing areas; pollution source evaluations; biotoxin and water quality monitoring in shellfish areas; illness investigations; restoration of sanitary conditions in shellfish growing areas; and participation in the Puget Sound Ambient Monitoring Program (PSAMP).

To accomplish this, the program works in partnership with Tribes, local health jurisdictions, volunteer groups, state and federal agencies, and the shellfish industry.

**Proviso funded activities:** DOH participates in this program through its water quality and biotoxin monitoring programs. Program staff collect water quality and biotoxin data and analyze it to help meet the PSAMP goals to assess the health of Puget Sound, identify existing environmental problems, provide data to measure the success of environmental programs, provide a permanent temporal record of changes in key environmental indicators in Puget Sound and to support research activities by making available scientifically valid data.

### Expected Results:

1. Shellfish growing area improvements:
  - a. Improved water quality conditions result in less restrictive shellfish harvest classifications for 1,000 acres.
  - b. Improved water quality conditions and less restrictive harvest classifications into two shellfish growing areas threatened or degraded by concentrations of onsite sewage systems.
  - c. Improved water quality conditions and less restrictive shellfish harvest classifications in one shellfish growing area threatened or degraded by stormwater runoff.
2. Eight restoration projects are conducted in commercial shellfish areas identified as “threatened.”
3. Five percent of the “threatened” commercial growing areas from the prior year’s Early Warning List are no longer identified as “threatened.”
4. Use water quality data collected under the Puget Sound Ambient Monitoring Program to identify threats to human health from contaminated shellfish. Analyze water quality data for status and trends in 100% of the shellfish growing areas and distribute the information to local programs, decision makers and other stakeholders.

**Agency:** Health

**Budget code title:** Protection and restoration of shellfish beds

**Total funds:** \$953,300

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding source	Priorities & Results	PS Plan Program
DOH-02	\$ 953,300		GF-S	Priority 3 – A1 Priority 4 – A1, C2, C3, the Role of Science	SH

**Program description: Shellfish Program** - The Shellfish Program's mission is to protect and improve the health of the people in Washington by preventing their exposure to contaminated shellfish. Major elements include: the regulation of commercial shellfish operations; classification of commercial and recreational shellfish growing areas; pollution source evaluations; biotoxin and water quality monitoring in shellfish areas; illness investigations; restoration of sanitary conditions in shellfish growing areas; and participation in the Puget Sound Ambient Monitoring Program (PSAMP).

To accomplish this, the program works in partnership with Tribes, local health jurisdictions, volunteer groups, state and federal agencies, and the shellfish industry.

**Proviso funded activities:** DOH monitors water quality and evaluates pollution sources in selected shellfish areas to provide information needed to restore sanitary conditions. Health works closely with local health jurisdictions (LHJs) and Ecology to investigate pollution sources and to assist in developing closure response plans and watershed action plans. DOH has developed strategies to ensure that LHJs and other stakeholders are kept informed of the status of water quality and pollution sources in shellfish growing areas to enable early response to declining conditions.

**Expected Results:**

1. Shellfish growing area improvements:
  - a. Improved water quality conditions result in less restrictive shellfish harvest classifications for 1,000 acres.
  - b. Improved water quality conditions and less restrictive harvest classifications in two shellfish growing areas threatened or degraded by concentrations of onsite sewage systems.
  - c. Improved water quality conditions and less restrictive shellfish harvest classifications in one shellfish growing area threatened or degraded by stormwater runoff.
2. Eight restoration projects are conducted in commercial shellfish areas identified as "threatened."
3. Five percent of the "threatened" commercial growing areas from the prior year's Early Warning List are no longer identified as "threatened."
4. Use water quality data collected under the Puget Sound Ambient Monitoring Program to identify threats to human health from contaminated shellfish. Analyze water quality data for status and trends in 100% of the shellfish growing areas and distribute the information to local programs, decision makers and other stakeholders.

**Agency:** Health

**Budget code title:** Recreational shellfish program

**Total funds:** \$676,000

Budget Code	Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOH-03	\$676,000		GF-P/L	Priority 3 – A1 Priority 4 – A1	SH

**Program description:** The Shellfish Program's mission is to protect and improve the health of the people in Washington by preventing their exposure to contaminated shellfish. Major elements include: the regulation of commercial shellfish operations; classification of commercial and recreational shellfish growing areas; pollution source evaluations; biotoxin and water quality monitoring in shellfish areas; illness investigations; restoration of sanitary conditions in shellfish growing areas; and participation in the Puget Sound Ambient Monitoring Program. To accomplish this, the program works in partnership with Tribes, local health jurisdictions, volunteer groups, state and federal agencies, and the shellfish industry.

**Proviso funded activities:** DOH uses funds from local fees to work with local health jurisdictions to: classify recreational shellfish beaches; assist in biotoxin monitoring; and provide health information to the public. DOH manages the biotoxin monitoring program and maintains a toll-free biotoxin hot line and an internet web site to inform the public of areas closed due to high biotoxin levels or pollution problems. DOH develops an *Annual Inventory of Commercial and Recreational Shellfish Beaches*. DOH develops and distributes educational information and participates in community events to share information regarding safe shellfish harvest. This component includes an enhancement of \$160,000 for pass-through funding to local governments.

**Expected Results:**

1. Shellfish growing area improvements:
  - a. Improved water quality conditions result in less restrictive shellfish harvest classifications for 1,000 acres.
  - b. Improved water quality conditions and less restrictive harvest classifications in two shellfish growing areas threatened or degraded by concentrations of onsite sewage systems.
  - c. Improved water quality conditions and less restrictive shellfish harvest classifications in one shellfish growing area threatened or degraded by stormwater runoff.
2. Use water quality data collected under the Puget Sound Ambient Monitoring Program to identify threats to human health from contaminated shellfish. Analyze water quality data for status and trends in 100% of the shellfish growing areas and distribute the information to local programs, decision makers and other stakeholders.

**Agency:** Health

**Budget code title:** Onsite sewage management

**Total funds:** \$2,604,800

Budget Code	proviso Funds	05-07 Other Funds	Funding source	Priorities & Results	PS Plan Program
DOH-04	\$1,304,800	\$700,000	GF-S	Priority 4 — A1b, Hood Canal: B1, B2, B7, B14. D1, D2, D3, E1	OSS
		\$600,000	ALEA		

**Program description:** The Wastewater Management Program's (WWMP) mission is to protect and improve the health of the people in Washington by assisting appropriate decision-making in the application of onsite sewage treatment technologies. Through the application of wastewater treatment technologies, matched to site conditions, combined with on-going operation & maintenance, onsite sewage systems meet the wastewater treatment infrastructure needs of the rural portions of Puget Sound and Washington State.

**Proviso funded activities:** The Wastewater Management Program provides technical assistance to citizens, local health jurisdictions (LHJs) and the onsite sewage system design, installation, and service sectors. The program evaluates new and emerging technologies, develops standards and guidelines for their application, reviews and approves proprietary products, and works with the State Board of Health in the revising and updating of administrative code. The program also directly regulates community & commercial projects with daily design flows between 3,500 and 14,500 GPD, through the review and approval of project plans and oversight of on-going operation through the issuance of Operational Permits. While not a *2005-2007 Puget Sound Conservation and Recovery Plan* proviso, the 2005-2007 operating budget included additional funding as a proviso dedicated solely to assist counties in marine areas to complete onsite sewage system management plans and electronic data bases to inventory onsite sewage systems.

**Expected Results:**

1. Improved water quality conditions and less restrictive shellfish harvest classifications will occur due to improved application of onsite sewage system technologies, consistent with the new SBOH rules, DOH standards, guidance, and technical assistance. Fecal coliform loadings to Hood Canal will be reduced through the application of new standards.
2. By July 1, 2007, Puget Sound local health jurisdictions complete risk-based management plans for onsite sewage systems as required by revised State Board of Health rules, and begin their implementation. DOH will develop and share technical and administrative guidance to assist the development and implementation of these local planning efforts by July 1, 2006.
3. Number of local health jurisdictions able to create GIS maps to evaluate and manage concentrations of onsite sewage systems located adjacent to water bodies impaired by fecal or nutrient loadings increases to 8 of 12 jurisdictions by July 1, 2007. DOH will continue to actively work with PSAT, LHJs, and others to implement this data collection goal. This goal needs to be validated once DOH has a current assessment of LHJ onsite data management programs and GIS capacity.
4. The DOH tracks long term management of large onsite sewage systems (LOSS) under the Operating Permit Program provided in revised State Board of Health rules. The DOH will continue with review, project approval, and operational oversight of Large Onsite Sewage Systems within the department's jurisdiction.
5. Water quality conditions will improve through the implementation of updated onsite sewage system rules. These rules include three separate chapters:
  - Chapter 246-272A — Small Onsite Sewage Systems (Under 3,500 GPD)
  - Chapter 246-272B — Large Onsite Sewage Systems (3,501 – 14,500 GPD)
  - Chapter 246-272C — Onsite Sewage System Tanks

## Department of Natural Resources

**Agency:** Natural Resources

**Budget code title:** Nearshore habitat monitoring

**Total funds:** \$1,652,050

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DNR-01	\$1,652,050		ALEA	Priority 5: E1,E2,E4 Science Plan: Desired Results 1,2,4,5,6,7,8,and 9	MR

### Program description:

This program is part of a larger monitoring effort, the Puget Sound Ambient Monitoring Program, that identifies multiple indicators to track the health of Puget Sound. This component monitors the status and trends of nearshore habitats (the shoreline). We are initially focusing on several plant species, (*Zostera marina*, and floating kelp species *N. luetkeana* and *M. integrifolia*) and the structure of intertidal biotic communities as indicators of nearshore habitat health.

### Proviso funded activities:

- DNR tracks status and trends in eelgrass extent in Puget Sound yearly, and completes focus studies within each region every 5 years as part of a long-term program to monitor eelgrass condition.
- DNR expands its eelgrass monitoring to study linkages between eelgrass bed dynamics and stressors.
- DNR tracks status and trends in floating kelp abundance throughout Puget Sound as part of a long term monitoring program.
- DNR tracks biodiversity in intertidal biotic communities in central and southern Puget Sound and completes collaborative research with University of Washington on processes related to observed patterns in intertidal biodiversity.

### Expected Results:

These actions will result in monitoring the progress towards achieving Priority 5: "Protect shorelines and other critical areas that provide important ecological functions".

- Track status and trends in eelgrass extent in Puget Sound yearly, and complete focus studies within one geographic region per year as part of a long term program to monitor eelgrass condition.
- Study eelgrass condition at high resolution and examines linkages between eelgrass bed dynamics and stressors (enhancement request).
- Track status and trends in floating kelp abundance throughout Puget Sound as part of a long term monitoring program .
- Track biodiversity in intertidal biotic communities at 9 sites in central and southern Puget Sound and complete collaborative research with University of Washington on processes related to observed patterns in intertidal biodiversity at 9 sites.

**Agency:** Natural Resources

**Budget code title:** Management of wetlands

**Total funds:** \$36,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DNR-02	\$36,000		GF-S	Priority 5:A.2, C.2	MFH

**Program description:** DNR Natural Areas Program (NAP) manages sites to retain natural features and ecological function.

**Proviso funded activities:** Continue site visits and management by regional personnel and volunteers to wetland sites in the Puget Sound Trough, including Bald Hills NAP, Cypress Island NAP/Natural Resource Conservation Area (NRCA), Dabob Bay NAP, Dailey Prairie NAP, Kennedy Creek NAP, Kings Lake Bog NAP, Shumocher Creek NAP, Snoqualmie Bog NAP, Skookum Inlet NAP, and Woodard Bay NRCA. Continue and increase the level of hydrologic monitoring at these sites and assess wetland functions (using Ecology's Wetlands Functions and Values Assessment Protocol).

**Expected Results:** Wetland sites in the Puget Sound Trough will be protected.

## Parks and Recreation

**Agency:** Parks and Recreation Commission

**Budget code title:** Marinas and Recreational Boating Facility Grants

**Total funds:** \$450,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PRC-01		\$450,000	GF-F Capital	Priority 4: A.2, C.8	MB

**Program description:** The Statewide Boat Pump out – Clean Vessel Program is a federally funded program through the U.S. Fish & Wildlife Service. The program assists public and private marinas in establishing or replacing recreational boat sewage disposal facilities.

**Proviso funded activities:** Proviso funds will be used to fund new or replaced pumpout facilities at public and private marinas.

### Expected Results:

Award approximately \$450,000 in grants to 25 public and/or private marinas to install or replace pumpout and/or dump station units.

The amount of sewage collected will increase as existing facilities are improved and new facilities are added to the statewide network.

**Agency:** Parks and Recreation Commission

**Budget code title:** Boater education and public involvement

**Total funds:** \$266,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PRC-02	\$191,000		ALEA	Priority 2: D2	MB
		\$75,000	GF-F	Priority 4: B14	

**Program description:** The program is responsible for coordinating efforts to reduce the pollution from boaters of Washington's waters related to recreational boating activities.

**Proviso funded activities:** The education-information function produces educational materials and develops public information to further promote environmentally responsible recreational boating.

### Expected Results:

Provide maps at 150 boater access and destination sites showing boaters locations of boat sewage disposal facilities in Puget Sound. This is an on-going activity.

Distribute environmental information to boaters in partnership with Puget Sound Keeper Alliance (PSKA) and local law enforcement.

Distribute environmental information to boaters in the Hood Canal to help reduce this source of pollution.



**Agency:** Parks and Recreation Commission  
**Budget code title:** State Parks Wastewater Improvements  
**Total funds:** \$4,289,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PRC-03		\$4,289,000	Facility Preservation-Capital	Priority 4 – Hood Canal – B11, D9, D10; E1	OSS

**Program description:** State Parks maintains and protects an estimated 20,000 acres of land adjacent to Puget Sound and an estimated 250,000 linear feet of saltwater shoreline. State Parks programs provide for citizen education and recreation, and stewardship of natural and cultural resources in lands designated as state parks. State Parks staff works with organizations and other agencies to provide interpretive programming and events.

**Funded activities:** Construct a new wastewater disposal facility for Dosewallips State Park (\$600,000) in order to reduce possible contributions of nutrients and pathogens to marine waters in Hood Canal and improve water quality. Additional funds for wastewater improvements at State Parks to improve water quality include:

\$604,000 – Illahee State Park  
\$1,950,000 Dash Point State Park  
\$475,000 Sequim State Park  
\$660,000 Flaming Geyser State Park

**Expected Results:**

- Wastewater disposal facility for Dosewallips State Park construction to protect Hood Canal marine waters from pollution from nutrients and pathogens.
- Modernized drainfield system at the group camp restroom and shelter for Illahee State Park.
- New sewer lines and facilities to link Dash Point state park wastewater system into the Lakehaven Utility District's sewer system.
- Modernized drainfield system for Sequim Bay State Park.
- Replace aging drainfield with modernized system at Flaming Geyser State Park.

**Agency:** Parks and Recreation Commission  
**Budget code title:** State Parks Habitat Restoration and Protection  
**Total proposed funds:** 2,030,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PRC-04		\$530,000	Natural Resource Stewardship Capital	Priority 6, A.1, A.2	MFH
		\$1,500,000	WWRP Grant	Priority 5, A.1	MFH

**Program description:** State Parks maintains and protects an estimated 20,000 acres of land adjacent to Puget Sound and an estimated 250,000 linear feet of saltwater shoreline. State Parks programs provide for citizen education and recreation, and stewardship of natural and cultural resources in lands designated as state parks. State Parks staff works with organizations and other agencies to provide interpretive programming and events.

**Funded activities:** Habitat improvements at Puget Sound state parks including \$345,000 for Belfair State Park, \$185,000 for Flaming Geyser State Park, and \$1,500,000 for Green River Gorge land acquisition.

**Expected Results:**

- Bridge construction and stream improvement for Little Mission Creek at Belfair State Park.
- Bridge construction and stream improvement for Flaming Geyser State Park.
- Land acquisition along the Green River Gorge to provide riparian buffer for Green River watershed.

## Puget Sound Action Team Staff

**Agency:** Puget Sound Action Team Staff

**Budget Code Title:** Coordinate the work of the Puget Sound Action Team Partnership and Council

**Total funds:** \$511,100

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PSAT-01	\$375,600		WQA	Role of Partnership A1, A2, A3, A4, C1, C3, C4, C5	EM, all programs
	\$135,500		GF-F		

**Proviso funded activities:** Convene meetings of the Puget Sound Action Team (Action Team) and Puget Sound Council (Council) as called for in statute. Convene a “management team” to work on the partnership’s business between meetings. Lead the partnership’s effort to make and report on progress in implementing this 2005-07 plan. Lead the partnership’s effort to develop a plan for 2007-09. Provide staff support to the Action Team and Council.

### Expected Results:

- A range of audiences, including federal and state agencies, local governments, associations, the legislature, media and individuals receive oral or written communications from Action Team staff identifying existing and emerging conservation needs of Puget Sound and advocating actions to meet those needs.
- The work of the Puget Sound Action Team partnership is supported and coordinated by working with the Action Team’s management team to oversee implementation of the 05-07 plan, ensure progress is made on all commitments and identify emerging issues and opportunities.
- A report on the Action Team partnership’s progress in implementing the 2005-2007 Puget Sound Conservation and Recovery Plan is submitted to the governor, the legislature and the public by December 2006,
- The partnership adopts priorities for Puget Sound for the 2007-2009 biennium and develops the *2007-2009 Puget Sound Conservation and Recovery Plan* and proposed budget for the 2007-2009 biennium by November 2006.
- The partnership updates the *Puget Sound Water Quality Management Plan* to consider incorporating salmon recovery plans.
- The Puget Sound Council receives staff support to assess the work of the partnership and make recommendations for improvements and new areas and ways of engagement.

**Agency:** Puget Sound Action Team Staff

**Budget Code Title:** Provide technical assistance and policy guidance

**Total funds:** \$1,509,500

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PSAT-02	\$1,125,600		WQA	Role of AT Partnership C3, Priorities 1, 2, 3, 4, 5, 6, 7. Especially Results: 1C1, 3A1, 3B2, 3C2, 4A1, 4D1, 4D2, 4E, 5B5, 6B, 7B1	AG, AQ, FP, MB, MFH, NP, OSS, M&I, PS/GB, S, SH, SP, SW, MR
	\$383,900		GF-F		

**Proviso funded activities:** Action Team staff monitor current and emerging conservation and environmental issues in Puget Sound, participate in significant policy and program development throughout Puget Sound, seek and promote practical solutions to environmental problems, and work to find alternatives to activities that may harm Puget Sound's marine and freshwater environments. Staff will provide technical assistance, support demonstration projects, coordinate interagency efforts to deliver consistent information and improved services, participate in regional initiatives, support and enhance the work of partner agencies and develop and offer tools, guidance and resources to help local and tribal governments, citizens and businesses address priority conservation issues.

**Expected Results:**

- A comprehensive presentation of all known contaminated sediment sites, their size, key contaminants, status and expected date for remediation to be completed is available to the public.
- The number of local governments adopting the elements of the Puget Sound comprehensive local stormwater program increases by 20 percent during the biennium and 20 additional local governments adopt ordinances and/or regulations that allow for, encourage, or require the use of low impact development techniques.
- All Puget Sound local health jurisdictions receive assistance to complete risk-based management plans for onsite sewage systems and begin their implementation by the end of the biennium.
- At least 8 of 12 local health jurisdictions receive assistance to create GIS maps to evaluate and manage concentrations of onsite sewage systems located adjacent to water bodies impaired by fecal or nutrient loadings by June 2007.
- State, federal, tribal and local partners in Hood Canal maintain a coordinated approach that efficiently and effectively communicates information to the public, implements corrective actions, and works cooperatively to link the results of scientific studies to policy initiatives and on-the-ground corrective actions.
- Shellfish policy and technical guidance assists state, local, tribal and private efforts that result in improved water quality and/or less restrictive classifications:
  1. In one shellfish growing area threatened or degraded by stormwater runoff and two areas threatened or degraded by on-site sewage systems as identified by the state Department of Health.
  2. For 1000 acres of commercial growing areas.

3. To achieve removal of five percent of commercial growing areas from Health's prior year's early warning list.
- Support and technical guidance for: 1) a report with recommendations for managing ballast water that is submitted to the legislature by December 2006, and 2) a report that identifies nonnative species in the Straits of Juan de Fuca and Georgia is completed by June 2007.
  - Five of the priority, large-scale restoration projects in Puget Sound receive direct technical assistance from Action Team staff including feasibility studies to restore marine and estuarine habitats covered by Capitol Lake, the Skokomish River estuary, and along the Burlington Northern Santa Fe Railroad.
  - A web-accessible Geographic Information System (GIS) database for Puget Sound for information to support and show progress in priority areas.

**Agency:** Puget Sound Action Team Staff

**Budget Code Title:** Conduct outreach and provide assistance to Puget Sound communities to support progress on the Partnership's priorities

**Total funds:** \$1,389,800

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PSAT-03	\$1,035,500		WQA	Primarily 3A1, 3B2, 3C2, 3E1, 3E2. 4A1, 4C1, 4C3, 4D2, 4d,	SW, OSS, SH, MFH, AG, NP, WP, EPI
	\$354,300		GF-F	5B1, 5B2, 5C3, 5D2, 5D3, 5D4, 6C, 7B1.	

**Proviso funded activities:** Staff (especially those assigned as regional liaisons) work with staff and elected officials of Puget Sound's local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations to promote progress in implementing local programs (e.g., stormwater management, on-site system management, land use planning and watershed plan implementation) that are key aspects of the partnership's strategies to address its environmental priorities. Action Team staff develop and provide information materials, arrange support from partner agencies and organizations, provide technical and policy support, and participate in and facilitate relevant processes and/or groups.

**Expected Results:**

- Outreach and technical assistance is provided to local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations to achieve specific, measurable progress on all seven core priorities.
- Cooperative assistance is provided to eight (80 %) commercial restricted shellfish closure local processes, and organizations receive collaborative assistance to prevent downgrades in "threatened" commercial shellfish growing areas.
- 100% of Puget Sound counties and 30% of Puget Sound cities receive direct assistance through outreach, technical assistance, funding information, workshops, and other tools to adopt elements of the Puget Sound stormwater comprehensive local program, including low impact development and public education and involvement elements.

- Nine (70%) of Puget Sound local health jurisdictions receive outreach and technical support for improved management programs for onsite sewage systems, education to local residents, and integration with land use plans and ordinances.
- At least 5 workshops for shoreline landowners to improve their understanding of shoreline processes and resources and promote better stewardship of shoreline property, targeted to jurisdictions conducting shoreline master program updates.
- Direct assistance to 100% of Puget Sound counties and 60% of marine shoreline cities with shoreline master program and growth management updates.
- Direct outreach and assistance provided to 100% of Marine Resources Committees in the Northwest Straits to assist them in meeting their benchmarks.
- Assistance to 11 of the 14 salmon recovery watershed groups to implement salmon recovery plans.

**Agency:** Puget Sound Action Team Staff

**Budget Code Title:** Inform and engage people to make progress on the Action Team partnership's environmental priorities

**Total funds:** \$738,600

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PSAT-04	\$544,800		WQA	Priorities 1, 2, 3, 4, 5, 6, 7. Numerous results.	EPI
	\$193,800		GF-F		

**Proviso funded activities:** Develop communications strategies and actions for Action Team staff and for specific projects to advance progress on environmental priorities. Work with partners to develop messages and agency-specific roles. Provide information to media to convey Partnership messages. Coordinate education efforts with specialists from partner agencies and university outreach programs. Publish *Sound Waves* newsletter, *State of the Sound Report*, and other publications and communications materials, and maintain and manage Action Team staff website. Provide information about Puget Sound, its issues, and the partnership to various audiences (e.g., via speaking engagements, briefings, newsletter articles, websites and e-mail lists).

**Expected Results:**

- The Puget Sound community, including local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations, receives accurate, relevant and accessible information on the status of the Puget Sound ecosystem, issues related to the health of the ecosystem, and activities of the Puget Sound Action Team partnership and Puget Sound Council through *Sound Waves*, the *State of the Sound Report*, press releases, e-mails and materials provided on the PSAT web site.
- Citizens receive public education and involvement opportunities throughout Puget Sound to adopt behaviors and take actions to prevent and reduce pollution from human sewage and animal waste for all beneficial uses, including safe shellfish harvesting.

- 1,000 local government staff, real estate professionals, developers and citizens increase their knowledge, skills, and motivation to change their behaviors and practices to better protect shorelines and other ecologically critical areas, including restoration and stewardship voluntary actions.
- Fifty planners, natural resource agency staff, real estate professionals, developers, volunteers and landowners increase their knowledge, skills and ability to advise others in the restoration of degraded shoreline, nearshore and freshwater habitats.
- An evaluation of the efficacy of education efforts of PSAT staff, PIE contractors, and partner agencies is conducted and lessons are applied to ongoing and new projects and programs.

**Agency:** Puget Sound Action Team Staff

**Budget Code Title:** Coordinate, communicate, and facilitate the use of Puget Sound science

**Total funds:** \$399,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PSAT-05	\$302,500		WQA	Role of Science & all priorities, numerous results	MR
	\$96,500		GF-F		

**Proviso funded activities:** Coordinate the Puget Sound Ambient Monitoring Program (PSAMP) to facilitate development and communication of Puget Sound science and help translate scientific findings into useable information for managers and to address key management issues. Convene PSAMP steering and management committees. Co-chair 2007 Puget Sound/Georgia Basin Research Conference.

**Expected Results:**

- The Puget Sound community is provided with accurate, relevant and accessible information on the status of the Puget Sound ecosystem and issues related to the health of the ecosystem through publications, the Puget Sound/Georgia Basin Research Conference and the PSAT web site.
- Forage fish stock and habitat information is available in Geographic Information System (GIS) format and is accessible to the public.
- Status and trends information for forage fish, ground fish, marine birds and other select species and indicators is provided in reports such as the *Puget Sound Update* and *State of the Sound Report*. These reports target federal, state, tribal and local governments, scientists, educators and citizens. Data from monitoring and focus studies is provided in easy-to-use formats to scientists, planners and managers so that they may use and benefit from the findings.
- Research and monitoring results are disseminated to managers via publications in primary and technical literature, meetings/workshops, and the 2007 Puget Sound/Georgia Basin Research Conference.
- Emerging issues (e.g., toxic contamination, water quality degradation, habitat changes) are identified based on ambient monitoring program to (a) focus development of new research partnerships to address important and/or urgent questions and (b) refer issues to appropriate management authorities for rapid response to significant environmental changes.

- Technical assistance is provided in sampling and analysis procedures, protocols, and guidelines to governments, community groups and other scientists.
- A science coordination function is built for Puget Sound, with prioritization of research needs, and information management systems that better link decision makers with the information they need.

**Agency:** Puget Sound Action Team Staff

**Budget Code Title:** Distribute Public Involvement and Education (PIE) funding for community-based education and involvement

**Total funds:** \$800,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PSAT-06	\$800,000		WQA	Priorities 1, 2, 3, 4, 5, 6, 7, but especially result C2 from the "Role of the Action Team Partnership."	EPI

**Proviso funded activities:** Funds are distributed through various means to community groups to support projects that directly educate and engage citizens in efforts to address priority environmental issues facing Puget Sound. A percentage of funds are distributed through PIE in response to an Request For Proposals (RFP) or various RFPs and directed awards. Other funds are distributed through SEED (small awards) and directed awards.

**Expected Results:**

Greater number of people around Puget Sound are involved and engaged in environmental issues through: funding for public involvement and education (PIE) projects is provided to local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations. PIE projects will reach 65,000 citizens with education directed at behavior change and to raise awareness around priorities in the *2005-2007 Puget Sound Conservation and Recovery Plan*.

**Agency:** Puget Sound Action Team Staff

**Budget Code Title:** Manage a program of rehabilitation for Hood Canal; develop and provide funds for corrective actions to address Hood Canal's dissolved oxygen problems

**Total funds:** \$600,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
PSAT-07	\$400,000		GF-S	Priority 4: Hood Canal coordination, results: 4B7, 4B8, 4B14	EM, MFH
	\$200,000		GF-F		

**Program description:** The Puget Sound Action Team staff is the state lead agency for rehabilitation of Hood Canal, which the state legislature designated as an Aquatic Rehabilitation Zone in 2005. PSAT staff works with the Hood Canal Coordinating



Council, designated as the local management board, to coordinate a program of rehabilitation for Hood Canal, in conjunction with state and federal agencies, local and tribal governments and other local partners through the Hood Canal Dissolved Oxygen Program, an entity that coordinates science, education and corrective actions.

**Proviso funded activities:** Funds appropriated as a proviso under the work plan for Hood Canal corrective actions will be distributed to local governments, tribes, state agencies, private contractors and non-governmental organizations to develop and implement projects that reduce sources of nutrients that contribute to low dissolved oxygen levels in Hood Canal. Specific funding areas include projects related to salmon carcass disposal, alternative nitrogen-reducing technologies for onsite sewage systems, and public education and involvement.

**Expected Results:**

- An overall program of corrective actions is coordinated and led by the PSAT. Regular reports are provided on progress and issues to all interested parties.
- Hood Canal's environmental quality improves through ongoing technical and financial assistance is provided that attempts to eliminate or reduce sources of nitrogen pollution, such as onsite sewage effluent, stormwater runoff, salmon carcass disposal, livestock waste and fertilizers from entering Hood Canal.
- Communication, outreach and education reaches Hood Canal residents and visitors through ongoing financial assistance for projects to change behaviors to reduce pollution and on the progress of canal-wide efforts to reduce pollution.
- Models of pollution reduction and prevention are developed that can be replicated in the canal and around the Sound.
- Hood Canal Aquatic Rehabilitation Zone One rehabilitation program.
- Process to prioritize projects, studies and activities for funding as corrective actions is developed jointly with the Hood Canal Coordinating Council.
- Support Hood Canal Coordinating Council work to develop governance concept report and provide information for quarterly and annual reports to the legislature, and participating local and tribal governments, and federal and state agencies.

## Department of Transportation

**Agency:** Transportation (WSDOT)

**Budget code title:** Stormwater Treatment Construction and Retrofit

**Total funds:** \$48,750,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOT-01		\$48,750,000*	MVF	Priority 3: D1, D2, D3	SW

\*Budget numbers do not include 2005 Transportation Partnership Funding package funds.

**Program description:** The estimated costs for stormwater are based on the 05-07 highway construction program budget for those planned projects that discharge directly or in-directly into Puget Sound. The amount is based on a historic average percentage of 5% of project cost attributed to stormwater management.

**Proviso funded activities:** none

**Expected Results:** Link to Priority 3D results for: "Reduce the harm from stormwater runoff." The funds identified provide for constructing stormwater treatment facilities on projects planned during the 05-07 biennium. The work complies with requirements identified in the WSDOT Highway Runoff Manual and applicable regulations. Treatment facilities constructed during 05-07 will continue to add to the inventory of Best Management Practices for treating stormwater quality and flow. The net result is a continuing incremental improvement in the quality and quantity of stormwater discharged by WSDOT into Puget Sound and into waters that drain into the Sound.

**Agency:** Transportation

**Budget code title:** Contaminated Sediment Management, Eagle Harbor

**Total funds:** \$381,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOT-02		381,000*	MVF	Priority 1	S

\*Budget numbers do not include 2005 Transportation Partnership Funding Package funds.

**Program description:** Washington State Ferries (WSF) operates the Eagle Harbor Maintenance Facility. This site also operates in an Environmental Protection Agency Superfund site. WSF and others are responsible under a court order to maintain and monitor the functions of the near shore disposal site for contaminated sediments. WSF is in the seventh year of a ten year Operations and Maintenance Plan. The costs shown are for the expected monitoring and management costs for the next biennium including costs for State Forces work.

**Proviso funded activities:** none

**Expected Results:** Link to Priority 1.A. “Sites are cleaned up”, Ref: Result #1, and 1.D. “Monitor progress”, Ref: Result #1. The objective at the conclusion of the site monitoring program is to demonstrate that the nearshore disposal facility is an effective engineered system to contain contaminated sediment and prevent further contamination of Eagle Harbor. Results of monitoring to date are demonstrating that the source controls implemented on the site are effective.

**Agency:** Transportation

**Budget code title:** Wetland Impact Mitigation and Site Maintenance

**Total funds:** \$19,000,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOT-03		\$19,000,000*	MVF	Priority 5 Priority 6	MFH

\*Budget numbers do not include 2005 Transportation Partnership Funding Package funds.

**Program description:** These funds are for mitigating wetland impacts from WSDOT Northwest Region projects programmed in 05-07 (\$17,800,000), and for wetland mitigation site maintenance in the WSDOT Olympic Region (\$1,200,000). Northwest Region is estimating 37.6 acres of project wetland impacts, and assuming an average mitigation ratio of 2:1, translates to \$17.8 million (includes land acquisition). With new draft Department of Ecology guidance the average mitigation ratio increases to 4:1, which translates to a cost of \$35.6 million. These cost estimates do not include wetland buffer impacts nor maintenance and monitoring costs. Olympic Region does not know enough at this time to estimate what 05-07 project wetland impact acreage will be.

**Proviso funded activities:** none

**Expected Results:** Link to Priority 5.A. “Habitat is conserved” and 6.A. “Restoration projects improve habitat.” Also link to Priority 6.B. Ref: result #4 regarding the “piloting of mechanisms to optimize the environmental benefits derived from environmental impact mitigation”. Even though these funds are not for conservation or restoration projects per se, WSDOT strictly follows mitigation sequencing and as a result wetland impacts are avoided whenever possible. In addition, when impacts are unavoidable, restoration of degraded habitats is a high priority for compensatory mitigation. WSDOT has a robust mitigation monitoring program that ensures success of mitigation, including site remediation if necessary. Finally, WSDOT is a leader in piloting methodology and mechanisms to optimize environmental benefits and use of watershed-based mitigation to promote the restoration of priority habitats.

**Agency:** Transportation

**Budget code title:** Habitat/Fish Passage Barrier Inventory and Removal

**Total funds:** \$7,246,400

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
DOT-04		7,246,400*	MVF	Priority 6	MFH

\*Budget numbers do not include 2005 Transportation Partnership Funding Package funds.

**Program description:** WSDOT/WDFW cooperative fish passage barrier inventory and removal program. This amount includes funding for 15 barrier removal projects programmed for 05-07 in Puget Sound counties (\$5,746,400) and continuation of barrier inventory work in the biennium (\$1,500,000). This amount does not include removal of fish passage barriers that may be removed as part of WSDOT highway projects.

**Proviso funded activities:** none

**Expected Results:** Link to Priority 6.A. "Restoration projects improve habitat", Ref: Result #3. Removal of fish passage barriers and increase in stream habitat available to salmonids and resident fish species.

## University of Washington Sea Grant Program

**Agency:** University of Washington, Washington Sea Grant Program

**Budget code title:** Water Quality Agents

**Total funds:** \$330,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
UW-01	\$330,000		GF-S	Priority 2: D1, Priority 3:E1; Priority 4: B14,E1; Priority 5: D1,D2,D3 Priority 6: C1; Priority 7: E1	EPI, MFH,NP, OSS, SH

**Program description:** Since 1990, the Washington Sea Grant Program (WSGP) has delivered public involvement, education and technology transfer programs on water quality issues in cooperation with WSU-Extension and county governments in Mason, - Kitsap Jefferson, Thurston, and Pierce counties. The WSGP program addresses water resources associated with rural, urban and urbanizing areas with marine waters. Program topics include habitat loss, shoreline stewardship, restoration, non-point source pollution, watershed planning, fish, shellfish seaweeds and tidal plants of Puget Sound. Two Sea Grant field agents work in tandem with WSU-Extension field staff and PSAT local liaisons to combine their expertise and resources to provide technical assistance, public information, and educational programs to local governments, tribes, industries, schools, water resource users and community groups

**Proviso funded activities:** WSGP water quality field agents, in coordination with other entities, will conduct the following activities:

- Provide workshops, create reference materials, and provide technical assistance to shoreline residents in nearshore and intertidal restoration and enhancement, stewardship, stormwater management, elimination of organic debris and watershed management in Kitsap and Mason counties.
- Coordinate Kitsap Nearshore Outreach Group and provide professional development opportunities for its members.
- Coordinate Water Festival, Salmon Tours and Kids' Day at OysterFest.
- Create a citizen based estuarine monitoring program to provide water quality data to agencies
- Collaborate to create a low impact development demonstration site in Kitsap County.
- Coordinate work sessions for local health/public works staff on to pet waste issues.
- Coordinate a citizen-based shellfish monitoring program to provide shellfish quality data to tideland owners.

### **Expected Results:**

- 100 shoreline landowners will eliminate or reduce practices that add organic material into Hood Canal and other marine water.
- 50 shoreline owners will test their shellfish for pathogens.
- 350 shoreline property owners will receive education on Best Management Practices, stewardship and restoration opportunities.

- 50 shoreline landowners will initiate shoreline restoration.
- 1500 students will participate in water quality education at Water Festival and Kids' Day at OysterFest.
- 160 Kitsap residents will participate in Salmon Tours; 100 students will receive education on nutrient loading; 11 pet waste stations will be installed at marine parks; 100 watershed stewards will receive education on shellfish culture and water quality.

**Agency:** University of Washington, Washington Sea Grant Program

**Budget code title:** Oil Spill Prevention Education

**Total funds:** \$170,000 (Ecology pass through)

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
UW—02	\$170,000		OSPA	Priority2: D2	SP, MB

**Program description:** Operating under the state Oil Spill Prevention and Response Act of 1991, this Washington Sea Grant Program voluntary prevention education program emphasizes direct interaction with vessels and marina operators and other marine users and agencies to provide safe and practical alternatives to spill-prone practices and to exchange ideas and technical information. Small spills involving highly toxic refined or contaminated waste oil products add up and their cumulative impact can be particularly harmful to shallow, fertile nearshore environments. The program targets commercial fishing and recreational boat operators, ferries, ports and marinas to promote innovative waste oil reduction and recycling, as well as sound maintenance and operating practices.

**Proviso funded activities:** WSGP, in coordination with other entities, will conduct the following activities:

- Distribute spill prevention kits and fuel collars
- Train Coast Guard Auxiliary flotillas to provide more effective spill and pollution prevention education to boaters.
- Conduct spill prevention seminars in conjunction with WSGP fishing vessel safety workshops.
- Work with selected marinas to develop comprehensive training and education programs to eliminate spill-prone fueling and maintenance practices.
- Chair Pacific Oil Spill Prevention Education Team (POSPET) to ensure promotion of State 1-800-Oils911 spill reporting number and to encourage networking among regional spill prevention agencies and organizations.

**Expected Results:**

- 125 Marinas in Puget Sound and over 1500 boaters and fishermen are reached by an educational effort to reduce small spills.
- 3 to 4 targeted marinas will adopt Best Management Practices, post safe-fueling signage and distribute spill prevention kits to boat owners.
- Over 300 Coast Guard Auxiliary members will incorporate spill prevention strategies into their pollution prevention training program for boaters.

## Washington State University Extension

**Agency:** Washington State University (WSU) Extension

**Budget code title:** Water Quality Field Agent Education and Assistance

**Total funds:** \$420,000

Budget Code	05-07 Proviso Funds	05-07 Other Funds	Funding Source	Priorities & Results	PS Plan Program
WSU-01	\$420,000		GF-S	Priority 3: E1, Priority 4: B14, E1, Priority 5: D3, D4, Priority 6: C1	NP, EPI, OS, SF, SW, WP, MFH

**Program description:** WSU Extension uses federal, state, local and private funds, as well as a wealth of volunteer time and resources to promote environmental stewardship. Programs include volunteer training programs, technical assistance to landowners and professionals on agricultural and landscape management issues, as well as public education and youth development programs directly related to environmental stewardship. These programs include the 4-H program, Master Gardener program, Forest Stewardship Training, Real Estate Professional Training, Pesticide Applicators training, as well as a range of independent programs targeting improved environmental management.

**Proviso funded activities:** WSU Extension uses proviso funding to provide the base funding for 3 Water Resource Field Agents who develop educational and technical assistance programs targeting priority Puget Sound issues at the local level. The field agents incorporate water resource stewardship into the full range of WSU programs within the region they serve (Pierce, Jefferson, Mason and Thurston Counties), as well as act as a resource for other WSU Extension programs in Puget Sound Counties. Additional support and office space is provided by each of the counties, as well as a range of grant and foundation funding the agents are able to access. The three field agents provide specific water resource protection training programs for Water Watcher volunteers, Master Gardener volunteers, 4-H programs, Native Plant Salvage Project volunteers and Real Estate Professionals in the region. In addition, the field agents provide technical assistance to watershed planning units, local watershed organizations, county and city staff, and decision makers. Activities also include broader public outreach through newspaper articles, radio spots, fair booths and topic specific public workshops.

### Expected Results:

- Area residents will change their behaviors to help protect the health of Puget Sound waters and its resources.
- The number and quality of education and public involvement programs of local governments, regional organizations, schools, watershed councils and community groups will be increased through the support, coordination and expertise provided by the field agents.
- Puget Sound Action Team outreach and education efforts will have greater impacts through enhanced coordination at the local level.
- WSU Extension programs throughout the Puget Sound Basin will have greater impacts on water quality related issues.

